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BULLETIN 101

A REVISED LIST OF PLANT DISEASES RECORDED IN NEW ZEALAND

By

R. M. BRIEN and JOAN M. DINGLEY

Plant Diseases Division, Department of Scientific and Industrial Research

Issued under the authority of the Hon. T. Clifton Webb, Minister of Scientific and Industrial Research

TE RAU PRESS LIMITED, GISBORNE
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(Received for publication 11th November, 1949)

INTRODUCTION

THE present work constitutes a revision of the 1939 "List of Plant Diseases Recorded in New Zealand," Department of Scientific & Industrial Research Bulletin No. 67. It includes also those diseases recorded in the "First Supplement" (Brien 1942), in the "Second Supplement" (Brien 1946), and those identified since 1946. In this publication are listed 533 diseases on 567 host plants, comprising diseases of fungous, bacterial, virus and physiological origin. The list is arranged alphabetically under botanical names of host plants. Virus diseases are listed under their common names as used in the "Review of Applied Mycology," Vol. 24, Part 13, 1946, and where possible are classified according to the classification by Dr. K. M. Smith in "A Text-book of Plant Viruses" 1937.

Literature references, an index of pathogens and physiological diseases, and a list of common names of host plants with their botanical equivalents are given. Reference is made only to those diseases occurring in nature, no records of artificially infected hosts being given.

The writers wish to acknowledge the material assistance given by other officers of the Division in the compilation of the revised list. Special acknowledgment is made to Dr. H. H. Allan, former Director, Botany Division, Department of Scientific and Industrial Research, for checking botanical names of host plants.

Acacia armata R. Br.
Uromycladium tepperianum (Sacc.) McAlp. — Cunningham, 1923A.

Acacia dealbata Link
Uromycladium acaciae (Cke.) Syd. — Cunningham, 1931A.
Uromycladium notabile (Ludw.) McAlp. — Cunningham, 1923A.
Fomes applanatus (Pers.) Gill — Cunningham, 1948E.
Fomes mastoporus (Lev.) Cke. — Cunningham, 1948E.

Acacia decurrens Willd.
Uromycladium acaciae (Cke.) Syd. — Cunningham, 1931A.
Uromycladium notabile (Ludw.) McAlp. — Cunningham, 1923A.

Acacia melanoxylon R. Br.
Uromycladium robinsoni McAlp. — Cunningham, 1923A.

Acacia verticillata Willd.
Uromycladium notabile (Ludw.) McAlp. — Cunningham, 1931A.

Acaena microphylla Hook. f.
Phragmidium acaenae G. H. Cunn. — Cunningham, 1924A.

Acaena novae-zelandiae Kirk
Phragmidium novae-zelandiae G. H. Cunn. — Cunningham, 1924A.

Acaena novae-zelandiae var. **pallida** Kirk
Phragmidium acaenae G. H. Cunn. — Cunningham, 1931A.

Acaena ovina A. Cunn.
Phragmidium acaenae G. H. Cunn. — Cunningham, 1931A.

Acaena sanguisorbae var. **pilosa** × var. **pusilla**
Phragmidium subsimile G. H. Cunn. — Cunningham, 1931A.

Acaena sanguisorbae Vahl. var. **pilosa** Kirk
Phragmidium subsimile G. H. Cunn. — Cunningham, 1924A.

Acaena sanguisorbae Vahl. var. **pusilla** Bitter.
Phragmidium subsimile G. H. Cunn. — Cunningham, 1931A.

Acaena sanguisorbae Vahl. var. **sericei-nitens** Bitter.
Phragmidium acuminatum G. H. Cunn. — Cunningham, 1930.

Acer sp.
Nectria cinnabarina (Tode) Fr. — Cunningham, 1925A.

Acer palmatum Thunb.
Verticillium dahliae Kleb. — Brien, 1942.

Aciphylla monroi Hook. f.
Puccinia grahami G. H. Cunn. — Cunningham, 1928.

Aciphylla monroi × **colensoi**
Puccinia grahami G. H. Cunn. — Cunningham, 1928.

Actinidia chinensis Planch.
Agrobacterium tumefaciens (Sm. & Townsd.) Conn. — Dye, Hutchinson, & Hastings, 1949.

Adiantum cuneatum Langsd. & Fisch.
Botrytis cinerea Pers. — Brien, 1939.

Aesculus hippocastanum L.
Nectria cinnabarina (Tode) Fr. — Cunningham, 1925A.

Agathis australis Salisb.
Coltricia schweinitzii (Fr.) G. H. Cunn. — Cunningham, 1948D.
Fomes applanatus (Pers.) Gill — Cunningham, 1948E.
Fomes mastoporus (Lev.) Cke. — Cunningham, 1948E.
Fomitopsis annosa (Fr.) Karst. — Cunningham, 1948C.
Pestalotia funerea Desm. — Birch, 1933.

Agropyron repens Beauv.

Claviceps purpurea (Fr.) Tul.	Brien, 1939.
Rhyncosporium secalis (Oudem.) Davis	Brien, 1942.
Ustilago hypodytes (Schlecht.) Fr.	Cunningham, 1926B.

Agropyron scabrum (Lab.) Beauv.

Claviceps purpurea (Fr.) Tul.	Neill, 1941.
Erysiphe graminis DC.	Additional Host Record.
Puccinia graminis Pers.	Cunningham, 1924B.
Ustilago bullata Berk.	Cunningham, 1927B.

Agrostis tenuis Sibth.

Claviceps purpurea (Fr.) Tul.	Brien, 1939.
Corticium fuciforme (Berk.) Wakef.	Cunningham, 1922B.
Pellicularia filamentosa (Pat.) Rogers	Brien, 1935.
Tilletia decipiens (Pers.) Koern.	Cunningham, 1924C.

Allium ascalonicum L.

Onion yellow-dwarf virus — *Allium virus 1*	Chamberlain & Baylis, 1948.

Allium cepa L.

Aspergillus niger Van Tiegh.	Brien, 1939.
Botrytis allii Munn	Brien, 1939.
Pleospora herbarum (Pers, ex Fr.) Rabenh.	Cunningham, 1922A.
Peronospora destructor (Berk.) Casp.	Kirk, 1905.
Sclerotium cepivorum Berk.	Cunningham, 1922A.
Urocystis cepulae Frost	Gibbs, 1938.
Onion yellow-dwarf virus — *Allium virus 1*	Chamberlain & Baylis, 1939.

Allium porrum L.

Peronospora destructor (Berk.) Casp.	Cunningham, 1922A.
Erwinia carotovora (Jones) Holland	Additional Host Record.

Althaea rosea Cav.

Puccinia malvacearum Bert.	Cunningham, 1923A.

Ammophila arenaria (L.) Link.

Claviceps purpurea (Fr.) Tul.	Neill, 1941.

Anemone coronaria L.

Erysiphe polygoni DC.	Brien, 1939.
Puccinia pruni-spinosae Pers.	Cunningham, 1923A.
Sclerotinia sclerotiorum (Lib.) de Bary.	Brien, 1939.
Tomato spotted-wilt virus — *Lycopersicum virus 3*	Chamberlain & Taylor, 1938.

Anemone tenuicaulis (Cheesem.) Parkin & Sledge

Urocystis novae-zelandiae G. H. Cunn.	Cunningham, 1928.

Angelica geniculata (Forst. f.) Hook. f.

Puccinia kinseyi G. H. Cunn.	Cunningham, 1928.

Angelica montana (Forst.) Ckn.
Puccinia cuniculi G. H. Cunn. .... Cunningham, 1923A.

Angelica rosaefolia Hook f.
Puccinia koherika G. H. Cunn. .... Cunningham, 1930.

Anisotome aromatica Hook f.
Puccinia kopoti G. H. Cunn. .... Cunningham, 1923A.

Anisotome capillifolia (Cheesem.) Ckn.
Puccinia whakatipu G. H. Cunn. .... Cunningham, 1924A.

Anisotome filifolia (Hook. f.) Ckn. & Laing.
Puccinia namua G. H. Cunn. .... Cunningham, 1924A.

Anisotome haastii (F. v. M. ex Hook. f.) Ckn. & Laing.
Puccinia anisotominis G. H. Cunn. .... Cunningham, 1924A.

Anisotome imbricata (Hook. f.) Ckn.
Puccinia whakatipu G. H. Cunn. .... Cunningham, 1928.

Anisotome intermedia Hook. f.
Puccinia kopoti G. H. Cunn. .... Cunningham, 1928.

Anisotome latifolia Hook. f.
Uredo inflata Cke. .... Cunningham, 1924A.

Anisotome petraea Cheesem.
Puccinia whakatipu G. H. Cunn. .... Cunningham, 1928.

Anisotome pilifera (Hook. f.) Ckn. & Laing.
Puccinia kopoti G. H. Cunn. .... Cunningham, 1928.

Anthoxanthum odoratum L.
Tilletia anthoxanthi Blytt. .... Cunningham, 1928.
Ustilago agropyri McAlp. .... Cunningham, 1945D.

Antirrhinum majus L.
Botrytis cinerea Pers. .... Brien, 1939.
Heteropatella antirrhini Buddin & Wakefield .... New Record.
Peronospora antirrhini Schroet. .... Brien, 1946A.
Sclerotinia sclerotiorum (Lib.) de Bary. .... Cunningham, 1927A.
Septoria antirrhini Rob. & Desm. .... Brien, 1939.

Apium australe Thouars.
Puccinia thuemeni McAlp. .... Cunningham, 1923A.

Apium filiforme (A. Rich.) Hook. f.
Puccinia thuemeni McAlp. .... Cunningham, 1931A.

Apium graveolens L.
Cercospora apii Fres. .... Kirk, 1906.
Sclerotinia sclerotiorum (Lib.) de Bary. .... Cunningham, 1927A.
Septoria apii Chester .... Cunningham, 1922A.

Erwinia carotovora (Jones) Holland .... Additional Host Record.

Cracked-stem (Physiological) .... Atkinson, J. D., 1948A.

Aquilegia vulgaris L.
Actinonema aquilegiae Grove ---- ---- ---- New Record.

Arachis hypogaea L.
Sclerotinia sclerotiorum (Lib.) de Bary. ---- Additional Host Record.

Aristotelia colensoi Hook. f.
Aecidium milleri G. H. Cunn. ---- ---- ---- Cunningham, 1931A.

Aristotelia fruticosa Hook. f.
Aecidium milleri G. H. Cunn. ---- ---- ---- Cunningham, 1931A.

Aristotelia fruticosa × **serrata**
Aecidium milleri G. H. Cunn. ---- ---- ---- Cunningham, 1931A.

Aristotelia serrata (Forst.) Oliver.
Aecidium milleri G. H. Cunn. ---- ---- ---- Cunningham, 1924A.
Erysiphe polygoni DC. ---- ---- ---- ---- Salmon, 1908.

Arundo kakaho Steudel
Uredo toetoe G. H. Cunn. ---- ---- ---- Cunningham, 1924A.
Claviceps purpurea (Fr.) Tul. ---- ---- ---- Additional Host Record.

Arrhenatherum elatius (L.) Mert. & Koch.
Ustilago avenae Jens. ---- ---- ---- ---- Cunningham, 1924C.

Asperula perpusilla Hook. f.
Puccinia punctata Link. ---- ---- ---- ---- Cunningham, 1924A.

Atropa belladonna L.
Verticillium dahliae Kleb. ---- ---- ---- Brien, 1946A.

Avena fatua L.
Puccinia graminis Pers. ---- ---- ---- ---- Cunningham, 1931A.
Ustilago avenae (Pers.) Rostr. ---- ---- ---- Cunningham, 1928.

Avena sativa L.
Erysiphe graminis DC. ---- ---- ---- ---- Cunningham, 1922B.
Puccinia coronata Cda. ---- ---- ---- ---- Cunningham, 1922B.
Puccinia graminis Pers. ---- ---- ---- ---- Kirk, 1894.
Pyrenophora avenae Ito & Kuribay ---- ---- Kirk, 1906.
Septoria graminum Desm. ---- ---- ---- Cunningham, 1927D.
Ustilago avenae (Pers.) Rostr. ---- ---- ---- Kirk, 1906.
Ustilago kolleri Wille. ---- ---- ---- ---- Cunningham, 1927B.

Pseudomonas coronafaciens (Elliott) Stapp ---- Reid, 1938E.

Avena strigosa Schreb.
Puccinia graminis Pers. ---- ---- ---- ---- Cunningham, 1931A.

Beilschmiedia tarairi (A. Cunn.) Benth. & Hook. f.
Fomes mastoporus (Lev.) Cke. ---- ---- ---- Cunningham, 1948E.
Fomitopsis hemitephra (Berk.) G. H. Cunn. ---- Cunningham, 1948C.

Beilschmiedia tawa (A. Cunn.) Hook. f. & Benth.
Fomes applanatus (Pers.) Gill ---- ---- ---- Cunningham, 1948E.
Fomes mastoporus (Lev.) Cke. ---- ---- ---- Cunningham, 1948E.
Fomes setulosus Lloyd. ---- ---- ---- ---- Cunningham, 1948E.
Fomitopsis hemitephra (Berk.) G. H. Cunn. ---- Cunningham, 1948C.

Bellis perennis L.

Puccinia distincta McAlp. — Cunningham, 1923A.

Beta vulgaris L.

Botrytis cinerea Pers. — Brien, 1939.
Cercospora beticola Sacc. — Cunningham, 1922A.
Phoma betae (Oudem.) Frank. — Kirk, 1906.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.
Sclerotium rolfsii Sacc. — Brien, 1939.
Uromyces betae (Pers.) Lev. — Kirk, 1901.

Beet-mosaic virus — *Beta virus 2* — Matthews, 1945.

Betula alba L.

Melampsoridium betulinum (Tul.) Kleb. — Cunningham, 1924A.
Nectria cinnabarina (Tode) Fr. — Cunningham, 1925A.
Stereum purpureum Pers. — Cunningham, 1925A.

Brassica campestris L.

Phoma lingam (Tode ex Fr.) Desm. — Gibbs & Brien, 1935.
Plasmodiophora brassicae Woron — Gibbs, 1932.

Brassica napo-brassica DC.

Cystopus candidus (Pers. ex Chev.) Lev. — Kirk, 1907.
Erysiphe polygoni DC. — Cunningham, 1922B.
Peronospora parasitica (Pers.) Tul. — Cunningham, 1922B.
Phoma lingam (Tode ex Fr.) Desm. — Kirk, 1905.
Plasmodiophora brassicae Woron — Kirk, 1894.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Erwinia aroideae (Townsd.) Holland. — Brien, 1939.
Xanthomonas campestris (Pammel) Dowson — Brien, 1939.

Turnip-mosaic virus — *Brassica virus 1* — Chamberlain, 1936A.

Brown-heart (physiological) — Waters, 1927.

Brassica napus L.

Cystopus candidus (Pers. ex Chev.) Lev. — Cunningham, 1922B.
Erysiphe polygoni DC. — Cunningham, 1922B.
Peronospora parasitica (Pers.) Tul. — Cunningham, 1922B.
Phoma lingam (Tode ex Fr.) Desm. — Neill & Brien, 1933.
Plasmodiophora brassicae Woron — Kirk, 1894.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Turnip-mosaic virus — *Brassica virus 1* — Chamberlain, 1936A.

Brassica oleracea L. var. **acephala** DC.

Plasmodiophora brassicae Woron — Cunningham, 1922A.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Brassica oleracea L. var. **botrytis** L.

Cystopus candidus (Pers. ex Chev.) Lev. — Cunningham, 1922A.
Erysiphe polygoni DC. — Brien, 1939.
Gloeosporium concentricum (Grev ex Fr.) Berk. & Br. — Smith, 1948.
Mycosphaerella brassicicola (Duby) Oudem — Cunningham, 1922A.
Peronospora parasitica (Pers.) Tul. — Cunningham, 1922A.
Plasmodiophora brassicae Woron. — Kirk, 1894.

Whiptail (physiological) — Mitchell, 1945.

Brassica oleracea L. var. **capitata** L.

Cystopus candidus (Pers. ex Chev.) Lev. — Kirk, 1907.
Gloeosporium concentricum (Grev ex Fr.) Berk. & Br. — Smith, 1948.
Mycosphaerella brassicicola (Duby) Oudem — Kirk, 1906.
Pellicularia filamentosa (Pat.) Rogers — Brien, 1939.
Peronospora parasitica (Pers.) Tul. — Kirk, 1906.
Phoma lingam (Tode ex Fr.) Desm. — Cunningham, 1922A.
Plasmodiophora brassicae Woron. — Kirk, 1894.
Sclerotinia sclerotiorum (Lib.) de Bary — Cunningham, 1927A.

Black leaf-speck (physiological) — Brien, 1946A.

Brassica oleracea L. var. **gemmifera** Zenk.

Cystopus candidus (Pers. ex Chev.) Lev. — Cunningham, 1922A.
Mycosphaerella brassicicola (Duby) Oudem — Cunningham, 1922A.
Peronospora parasitica (Pers.) Tul. — Cunningham, 1922A.
Plasmodiophora brassicae Woron — Cunningham, 1922A.

Brassica oleracea L. var. **ramosa** Alef.

Mycosphaerella brassicicola (Duby) Oudem — Brien, 1939.
Phoma lingam (Tode ex Fr.) Desm. — Neill & Brien, 1933.
Plasmodiophora brassicae Woron — Cunningham, 1922A.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Brassica rapa L.

Cystopus candidus (Pers. ex Chev.) Lev. — Kirk, 1907.
Erysiphe polygoni DC. — Kirk, 1907.
Mycosphaerella brassicicola (Duby) Oudem — Additional Host Record.
Peronospora parasitica (Pers.) Tul. — Cunningham, 1922B.
Phoma lingam (Tode ex Fr.) Desm. — Kirk, 1907.
Plasmodiophora brassicae Woron — Kirk, 1894.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Erwinia aroideae (Townsd.) Holland. — Brien, 1939.
Xanthomonas campestris (Pammel) Dowson — Brien, 1939.

Turnip-mosaic virus — *Brassica virus 1* — Chamberlain, 1936A.

Brown-heart (physiological) — Waters, 1927.

Bromus catharticus Vahl.

Ustilago bullata Berk. — Cunningham, 1945D.

Bromus inermis Leyss.

Claviceps purpurea (Fr.) Tul. — Neill, 1941.

Bromus mollis L.

Claviceps purpurea (Fr.) Tul. — Brien, 1939.
Puccinia elymi West. — Cunningham, 1931A.
Ustilago bullata Berk. — Cunningham, 1945D.

Bromus sterilis L.

Puccinia elymi West. — Cunningham, 1926A.

Calendula officinalis L.

Entyloma calendulae (Oudem.) de Bary. .. Cunningham, 1945c.
Puccinia distincta McAlp. .... Cunningham, 1945a.

Tomato spotted-wilt virus — *Lycopersicum virus 3* .... Chamberlain & Taylor, 1938.

Callistephus chinensis Nees.

Botrytis cinerea Pers. .... Brien, 1939.
Fusarium conglutinans Wollenw. v. *callistephi* Beach .... Cunningham, 1931b.
Verticillium dahliae Kleb .... Additional Host Record.

Tomato spotted-wilt virus — *Lycopersicum virus 3* .... Chamberlain & Taylor, 1938.

Caltha novae-zelandiae Hook. f.

Aecidium westlandicum G. H. Cunn. .... Cunningham, 1928.

Caltha obtusa Cheesem.

Aecidium westlandicum G. H. Cunn. .... Cunningham, 1928.

Camellia japonica L.

Pestalotia guepini Desm. .... Brien, 1946a.

Capsella bursa-pastoris (L.) Medik

Cystopus candidus (Pers. ex Chev.) Lev. .... Cunningham, 1922a.
Plasmodiophora brassicae Woron. .... Gibbs, 1932.

Capsicum frutescens L.

Tobacco-mosaic virus — *Nicotiana virus 1* .. Chamberlain, 1946.

Cardamine bilobata Kirk.

Puccinia inornata G. H. Cunn. .... Cunningham, 1928.

Cardamine heterophylla (Forst. f.) O. E. Schultz.

Puccinia inornata G. H. Cunn. .... Cunningham, 1923a.
Sclerotinia sclerotiorum (Lib.) de Bary. .... Brien, 1932a.

Cardamine hirsuta L.

Cystopus candidus (Pers. ex Chev.) Lev. .... Additional Host Record.

Carduus tenuiflorus Curt.

Puccinia cardui-pycnocephali P. & H. Syd. .... Cunningham, 1923a.
Sclerotinia sclerotiorum (Lib.) de Bary. .. Cunningham, 1927a.

Carex appressa R. Br.

Puccinia caricis (Pers.) Reb. .... Cunningham, 1924b.

Carex berggreni Petrie.

Puccinia mania G. H. Cunn. .... Cunningham, 1930.

Carex breviculmis R. Br.

Puccinia caricis (Pers.) Reb. .... Cunningham, 1931a.

Carex buchanani Berggr.
Puccinia caricis (Pers.) Reb. ---- ---- ---- Cunningham, 1923A.

Carex colensoi Boott.
Puccinia caricis (Pers.) Reb. ---- ---- ---- Cunningham, 1923A.

Carex dipsacea Berggr.
Farysia nigra G. H. Cunn. ---- ---- ---- Cunningham, 1924C.
Farysia olivacea (DC.) Syd. ---- ---- ---- Cunningham, 1924C.
Puccinia caricis (Pers.) Reb. ---- ---- ---- Cunningham, 1923A.

Carex dissita Sol. ex Hook. f.
Puccinia caricis (Pers.) Reb. ---- ---- ---- Cunningham, 1931A.
Farysia pseudocyperi (de Toni) Zundel. ---- Cunningham, 1945B.

Carex dissita var. **ochrosaccus** Cheesem.
Puccinia caricis (Pers.) Reb. ---- ---- ---- Cunningham, 1931A.

Carex gaudichaudiana (Boott) Kunth.
Cintractia caricis (Pers.) Magn. ---- ---- ---- Cunningham, 1924C.
Puccinia rautahi G. H. Cunn. ---- ---- ---- Cunningham, 1930.

Carex inversa R. Br.
Puccinia maurea G. H. Cunn. ---- ---- ---- Cunningham, 1930.

Carex kirkii Petrie.
Puccinia rautahi G. H. Cunn. ---- ---- ---- Cunningham, 1930.

Carex pumila Thunb.
Puccinia maurea G. H. Cunn. ---- ---- ---- Cunningham, 1930.

Carex pyrenaica Wahl.
Puccinia mania G. H. Cunn. ---- ---- ---- Cunningham, 1930.

Carex resectans Cheesem.
Puccinia caricis (Pers.) Reb. ---- ---- ---- Cunningham, 1923A.

Carex riparia Curt.
Farysia olivacea (DC.) Syd. ---- ---- ---- Cunningham, 1945B.

Carex solandri Boott.
Puccinia caricis (Pers.) Reb. ---- ---- ---- Cunningham, 1931A.

Carex stellulata Good.
Puccinia caricis (Pers.) Reb. ---- ---- ---- Cunningham, 1923A.

Carex subdola Boott.
Cintractia caricis (Pers.) Magn. ---- ---- ---- Cunningham, 1924C.
Puccinia caricis (Pers.) Reb. ---- ---- ---- Cunningham, 1931A.

Carex ternaria Sol. ex Forst. f.
Cintractia caricis (Pers.) Magn. ---- ---- ---- Cunningham, 1924C.
Farysia olivacea (DC.) Syd. ---- ---- ---- Cunningham, 1945B.
Puccinia caricis (Pers.) Reb. ---- ---- ---- Cunningham, 1923A.

Carex virgata Sol. ex Hook. f.
Farysia merrillii (P. Henn.) Syd. ---- ---- Cunningham, 1945B.

Carex wakatipu Petrie.
Puccinia mania G. H. Cunn. — — — Cunningham, 1930.

Carex wallii Petrie.
Puccinia maurea G. H. Cunn. — — — Cunningham, 1930.

Carica papaya L.
Ascochyta caricae Pat. — — — — Brien, 1939.

Carmichaelia grandiflora Hook. f.
Phomopsis cunninghamii Syd. — — — Sydow, 1924.

Carpha alpina R. Br.
Cintractia waiouru G. H. Cunn. — — Cunningham, 1945c.

Cassinia leptophylla (Forst. f.)
Fomes setulosus Lloyd. — — — — Cunningham, 1927c.

Castanea vulgaris Lamb.
Rosellinia radiciperda Mass. — — — Cunningham, 1925a.
Fomes mastoporus (Lev.) Cke. — — Cunningham, 1948e.

Celmisia armstrongii Petrie.
Puccinia celmisiae G. H. Cunn. — — — Cunningham, 1928.

Celmisia coriacea Hook. f.
Heteropatella eriophila Syd. — — — Sydow, 1924.
Puccinia celmisiae G. H. Cunn. — — — Cunningham, 1924a.

Celmisia coriacea × **longifolia**
Puccinia celmisiae G. H. Cunn. — — — Cunningham, 1931a.

Celmisia densiflora × **prorepens**
Aecidium celmisiae-discoloris G. H. Cunn. — Cunningham, 1931a.

Celmisia discolor Hook. f.
Aecidium celmisiae-discoloris G. H. Cunn. — Cunningham, 1924a.

Celmisia glandulosa Hook. f.
Puccinia egmontensis G. H. Cunn. — — Cunningham, 1923a.

Celmisia graminifolia Hook. f.
Puccinia celmisiae G. H. Cunn. — — — Cunningham, 1928.

Celmisia haastii Hook. f.
Aecidium celmisiae-discoloris G. H. Cunn. — Cunningham, 1931a.

Celmisia hookeri Ckn.
Puccinia celmisiae G. H. Cunn. — — — Cunningham, 1924a.

Celmisia incana Hook. f.
Aecidium celmisiae-discoloris G. H. Cunn. — Cunningham, 1928.

Celmisia incana × **discolor**
Aecidium celmisiae-discoloris G. H. Cunn. — Cunningham, 1928.

Celmisia longifolia Cass.
Puccinia celmisiae G. H. Cunn. — — — Cunningham, 1924a.

Celmisia longifolia var. **alpina** Kirk.
Puccinia celmisiae G. H. Cunn. .... Cunningham, 1924A.

Celmisia lyallii Hook. f.
Puccinia celmisiae G. H. Cunn. .... Cunningham, 1928.

Celmisia lyallii × **longifolia**
Puccinia celmisiae G. H. Cunn. .... Cunningham, 1928.

Celmisia lyallii × **spectabilis**
Puccinia celmisiae G. H. Cunn. .... Cunningham, 1928.

Celmisia major Cheesem.
Puccinia aorangi G. H. Cunn. .... Cunningham, 1930.

Celmisia monroi Hook. f.
Puccinia celmisiae G. H. Cunn. .... Cunningham, 1931A.

Celmisia novae-zelandiae (Buch.) Cheesem.
Aecidium celmisiae-discoloris G. H. Cunn. .... Cunningham, 1928.

Celmisia petiolata Hook. f.
Puccinia celmisiae G. H. Cunn. .... Cunningham, 1931A.

Celmisia petiolata × **sessiliflora**
Puccinia celmisiae G. H. Cunn. .... Cunningham, 1931A.

Celmisia petriei Cheesem.
Aecidium celmisiae-discoloris G. H. Cunn. .... Cunningham, 1931A.

Celmisia prorepens Petrie
Aecidium celmisiae-discoloris G. H. Cunn. .... Cunningham, 1924A

Celmisia rigida (Kirk) Ckn.
Puccinia fodiens G. H. Cunn. .... Cunningham, 1923A.

Celmisia sinclairii Hook. f.
Aecidium celmisiae-discoloris G. H. Cunn. .... Cunningham, 1924A.

Celmisia spectabilis Hook. f.
Puccinia celmisiae G. H. Cunn. .... Cunningham, 1931A.
Puccinia fodiens G. H. Cunn. .... Cunningham, 1924B.

Celmisia spectabilis × **coriacea**
Puccinia fodiens G. H. Cunn. .... Cunningham, 1931A.

Celmisia traversii Hook. f.
Puccinia celmisiae G. H. Cunn. .... Cunningham, 1928.

Celmisia viscosa Hook. f.
Aecidium celmisiae-discoloris G. H. Cunn. .... Cunningham, 1928.

Celmisia walkeri Kirk.
Aecidium celmisiae-discoloris G. H. Cunn. .... Cunningham, 1928.

Centaurea cyanus L.
Puccinia cyani Pass. .... Cunningham, 1923A.

Cerastium glomeratum Thuill.

Peronospora alsinearum Caspary. — New Record.
Septoria cerastii Rob. & Desm. — Sydow, 1924.

Chamaecyparis lawsoniana Parlatore.

Armillaria mellea (Fr.) Quel. — Birch, 1937.
Coryneum cardinale Wagener. — Birch, 1933.
Pestalotia funerea Desm. — Birch, 1933.
Phomopsis juniperovora Hahn. — Birch, 1933.
Rosellinia radiciperda Mass. — Birch, 1937.
Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1939.

Cheesemania wallii (Carse.) Allan

Puccinia reidii G. H. Cunn. — Cunningham, 1923A.

Cheiranthus cheiri L.

Peronospora parasitica (Pers.) Tul. — Brien, 1939.
Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1932A.

Turnip-mosaic virus — *Brassica virus 1* — Chamberlain, 1939D.

Chenopodium album L.

Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.
Verticillium dahliae Kleb. — Additional Host Record.

Chrysanthemum morifolium Ram.

Oidium sp. — New Record.
Puccinia chrysanthemi Roze. — Kirk, 1901.
Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1939.

Tomato spotted-wilt virus — *Lycopersicum virus 3* — Chamberlain, 1946.

Cichorium intybus L.

Puccinia hieracii (Schum.) H. Mart. — Cunningham, 1931A.
Sclerotinia sclerotiorum (Lib.) de Bary. — Additional Host Record.

Cirsium arvense (L.) Scop.

Botrytis cinerea Pers. — Brien, 1939.
Cystopus cubicus (Strauss ex Unger.) Lev. — New Record.
Puccinia obtegens (Link.) Tul. — Cunningham, 1923A.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Cirsium lanceolatum (L.) Hill.

Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Citrullus vulgaris Schrad.

Cercospora melonis Cke. — Cunningham, 1922A.
Colletotrichum lagenarium (Pass.) Ell. & Hals. — Cunningham, 1922A.
Fusarium bulbigenum Cke. & Mass. var. *niveum* (Erw. Sm.) Wollenw. — New Record.
Mycosphaerella citrullina (C.O. Sm.) Grossenb. — Cunningham, 1922A.
Pseudoperonospora cubensis (Berk. & Curt.) Rostow. — Cunningham, 1922A.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Citrus aurantifolia Swingle.

Elsinoe fawcetti Bitanc. & Jenkins. — Brien, 1942.
Glomerella cingulata (Stonemn.) Spauld & V. Schr. — Cunningham, 1925A.

Citrus limonia Osbeck.

Ascochyta corticola McAlp. — Cunningham, 1921B.
Botrytis cinerea Pers. — Cunningham, 1925A.
Diaporthe citri (Fawcett) Wolf. — Cunningham, 1931B.
Elsinoe fawcetti Bitanc. & Jenkins. — Kirk, 1899.
Fusarium lateritium Nees. — Brien, 1939.
Gloeosporium limetticolum Clausen. — Cunningham, 1925A.
Glomerella cingulata (Stonemn.) Spauld & V. Schr. — Cunningham, 1925A.
Penicillium digitatum (Fr.) Sacc. — Cunningham, 1925A.
Penicillium italicum Wehm. — Cunningham, 1925A.
Phytophthora citrophthora (Smith & Smith) Leon. — Boucher, 1912.
Rhizopus nigricans Ehrenb. — Cunningham, 1925A.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Pseudomonas syringae Van Hall. — Reid, 1938A.
Xanthomonas citri (Hasse.) Dowson — Reid, 1938B.

Frost-injury (physiological) — Cunningham, 1925A.
Gum-spot (physiological) — Brien, 1939.
Malformed fruits (physiological) — Cunningham, 1925A.
Mottle-leaf (physiological) — Taylor & Burns, 1938.
Oleocellosis (physiological) — Brien, 1942.
Peteca (physiological) — Brien, 1939.

Citrus maxima (Burm.) Merrill.

Xanthomonas citri (Hasse.) Dowson — Reid, 1938B.

Sun-scald (physiological) — Cunningham, 1925A.

Citrus nobilis Lour.

Gloeosporium limetticolum Clausen. — Cunningham, 1925A.
Glomerella cingulata (Stonemn.) Spauld & V. Schr. — Cunningham, 1925A.

Citrus sinensis Osbeck.

Alternaria citri Pierce — Brien, 1939.
Ascochyta sp. — New Record.
Botrytis cinerea Pers. — Cunningham, 1925A.
Diaporthe citri (Fawcett) Wolf. — Brien, 1939.
Fusarium lateritium Nees — Brien, 1939.
Gloeosporium limetticolum Clausen — Cunningham, 1925A.
Glomerella cingulata (Stonemn.) Spauld & V. Schr. — Cunningham, 1925A.
Penicillium digitatum (Fr.) Sacc. — Cunningham, 1925A.
Penicillium italicum Wehm. — Cunningham, 1925A.
Rhizopus nigricans Ehrenb. — Cunningham, 1925A.
Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1932A.

Pseudomonas syringae Van Hall. — Reid, 1938A.
Xanthomonas citri (Hasse.) Dowson. — Reid, 1938B.

Exanthema (physiological) .... Brien, 1939.
Gum-spot (physiological) .... Additional Host Record.
Mottle-leaf (physiological) .... Taylor & Burns, 1938.
Peteca (physiological) .... Brien, 1939.
Sun-scald (physiological) .... Cunningham, 1925A.

Citrus sp. (citronelle)

Elsinoe fawcetti Bitanc. & Jenkins .... Brien, 1939.

Xanthomonas citri (Hasse.) Dowson. .... Reid, 1938B.

Citrus sp. (N.Z. Grapefruit)

Alternaria citri Pierce. .... Cunningham, 1931B.
Botrytis cinerea Pers. .... Cunningham, 1925A.
Elsinoe fawcetti Bitanc. & Jenkins .... Cunningham, 1925A.
Glomerella cingulata (Stonemn.) Spauld & V. Schr. .... Cunningham, 1925A.
Penicillium digitatum (Fr.) Sacc. .... Cunningham, 1925A.
Penicillium italicum Wehm. .... Cunningham, 1925A.
Phytophthora citrophthora (Smith & Smith) Leon. .... Brien, 1946A.
Septoria citri Pass. .... Brien, 1939.

Xanthomonas citri (Hasse.) Dowson .... Reid, 1938B.

Gum-spot (physiological) .... Brien, 1939.
Mottle-leaf (physiological) .... Taylor & Burns, 1938.
Sun-scald (physiological) .... Cunningham, 1925A.

Cladium huttoni Kirk.

Tolyposporium littorale G. H. Cunn. .... Cunningham, 1926A.

Clematis afoliata Buch.

Aecidium otagense Linds. .... Cunningham, 1945A.

Clematis colensoi Hook. f.

Aecidium otagense Linds. .... Cunningham, 1924A.

Clematis foetida Raoul.

Aecidium otagense Linds. .... Cunningham, 1926B.
Puccinia clavata P. & H. Syd. .... Cunningham, 1923A.

Clematis hexasepala DC.

Puccinia clavata P. & H. Syd. .... Cunningham, 1923A.

Clematis marata Armstr.

Aecidium otagense Linds. .... Cunningham, 1931A.

Clematis paniculata J. F. Gmelin.

Aecidium otagense Linds. .... Cunningham, 1924A.
Puccinia clavata P. & H. Syd. .... Cunningham, 1923A.

Cockaynea gracilis (Hook.) Zotov.

Ustilago asprellae G. H. Cunn. .... Cunningham, 1930.

Coprosma arborea Kirk.

Fomes mastoporus (Lev.) Cke. .... Cunningham, 1948E.

Coprosma australis (A. Rich.) Robins.
Puccinia coprosmae Cke. — Cunningham, 1923A.

Coprosma foetidissima Forst.
Aecidium hupiro G. H. Cunn. — Cunningham, 1924A.

Coprosma lucida Forst. f.
Puccinia coprosmae Cke. — Cunningham, 1923A.

Coprosma rhamnoides A. Cunn.
Fomes setulosus Lloyd. — Cunningham, 1948E.

Coprosma robusta Raoul.
Fomes applanatus (Pers.) Gill. — Cunningham, 1948E.
Mycosphaerella spissa Syd. — Sydow, 1924.
Puccinia coprosmae Cke. — Cunningham, 1923A.

Coronopus didymus (L.) Sm.
Peronospora parasitica (Pers.) Tul. — Cunningham, 1944.

Cotoneaster salicifolia Franch.
Erwinia amylovora (Burr.) Winslow *et al.* — Brien, 1939.

Crataegus oxyacantha L.
Diplodia crataegi West. — Sydow, 1924.
Rosellinia radiciperda Mass. — Cunningham, 1925A.

Erwinia amylovora (Burr.) Winslow *et al.* — Waters, 1921.

Cucumis melo L. var. **cantalupensis** Naud.
Colletotrichum lagenarium (Pass.) Ell. & Hals. Additional Host Record.
Erysiphe cichoracearum DC. — Additional Host Record.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Cucumber-mosaic virus — *Cucumis virus 1* — Chamberlain, 1939C.

Cucumis sativus L.
Botrytis cinerea Pers. — Brien, 1939.
Cercospora melonis Cke — Cunningham, 1922A.
Colletotrichum lagenarium (Pass.) Ell. & Hals. Cunningham, 1922A.
Erysiphe cichoracearum DC. — Additional Host Record.
Fusarium oxysporum Schl. var. *aurantiacum* (Lk.) Wollenw. — Brien, 1939.
Mycosphaerella citrullina (C. O. Sm.) Grossenb. Brien, 1939.
Pseudoperonospora cubensis (Berk. & Curt.) Rostow. — Cunningham, 1922A.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.
Verticillium albo-atrum Reinke & Berth. — Brien, 1939.

Cucumber-mosaic virus — *Cucumis virus 1* — Chamberlain, 1939C.

Cucurbita pepo L.
Cercospora melonis Cke — Kirk, 1907.
Erysiphe cichoracearum DC. — Brien, 1946A.
Mycosphaerella citrullina (C. O. Sm.) Grossenb. Brien, 1946A.
Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1932A.
Septoria cucurbitacearum Sacc. — New Record.

Cucumber-mosaic virus — *Cucumis virus 1* — Chamberlain, 1939C.

Cupressus lusitanica Mill.

Pestalotia funerea Desm. — Birch, 1933.

Cupressus macrocarpa Hartw.

Botrytis cinerea Pers. — Birch, 1937.
Coryneum cardinale Wagener — Birch, 1933.
Pestalotia funerea Desm. — Birch, 1933.
Phomopsis juniperovora Hahn. — Birch, 1933.

Cupressus sempervirens L.

Coryneum cardinale Wagener — Birch, 1937.

Cyclamen indicum L.

Botrytis cinerea Pers. — Brien, 1939.

Cydonia oblonga Mill.

Botrytis cinerea Pers. — Cunningham, 1925A.
Fabraea maculata Atk. — Kirk, 1894.
Physalospora obtusa (Schw.) Cke. — Cunningham, 1921A.
Podosphaera leucotricha (Ell. & Ev.) Salm. — Additional Host Record.
Rosellinia radiciperda Mass. — Cunningham, 1925A.
Sclerotinia fructicola (Wint.) Rehm. — Cunningham, 1925A.
Stereum purpureum Pers. — Cunningham, 1921B.

Agrobacterium tumefaciens (Sm. & Townsd.) Conn. — Cunningham, 1921A.
Erwinia amylovora (Burr.) Winslow *et al.* — Waters, 1922A.

Bitter-pit (physiological) — Cunningham, 1921A.

Cyphomandra betacea Sendt.

Ascochyta betaceae Petch. — New Record.
Glomerella cingulata (Stonemn.) Spauld & V. Schr. — Brien, 1946A.
Oidium sp. — Brien, 1946A.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Cucumber-mosaic virus — *Cucumis virus 1* — Chamberlain, 1948A.

Cytisus proliferus L.

Stereum purpureum Pers. — Cunningham, 1925A.

Cytisus scoparius Link.

Stereum purpureum Pers. — Cunningham, 1925A.
Nectria cinnabarina (Tode.) Fr. — Additional Host Record.

Dacrydium cupressinum Soland.

Fomes mastoporus (Lev.) Cke. — Cunningham, 1927C.
Fomes zealandicus Cke. — Cunningham, 1948E.
Fomitopsis hemitephra (Berk.) G. H. Cunn. — Cunningham, 1948C.

Dactylis glomerata L.

Claviceps purpurea (Fr.) Tul. — Kirk, 1907.
Erysiphe graminis DC. — Additional Host Record.
Mastigosporium rubricosum (Dearn & Barth) Sprague. — New Record.
Puccinia graminis Pers. — Cunningham, 1923A.
Uromyces dactylidis Otth. — Cunningham, 1922B.
Ustilago striaeformis (Westend.) Niessl. — Cunningham, 1924C.

Corynebacterium rathayi (E. F. Sm.) Dowson — Hardison, 1945.

Dahlia sp. cult.

Entyloma dahliae Syd. — Cunningham, 1945c.
Phyllosticta dahliicola Brun. — Brien, 1939.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927a.

Pseudomonas syringae Van Hall. — Additional Host Record.

Tomato spotted-wilt virus — *Lycopersicum virus 3* — Chamberlain & Taylor, 1938.

Danthonia buchanani Hook. f.

Ustilago comburens Ludw. — Cunningham, 1924c.

Danthonia cunninghamii Hook. f.

Uromyces danthoniae McAlp. — Cunningham, 1931a.

Danthonia flavescens Hook. f.

Claviceps purpurea (Fr.) Tul. — Brien, 1939.
Uromyces danthoniae McAlp. — Cunningham, 1931a.

Danthonia gracilis Hook. f.

Uromyces danthoniae McAlp. — Cunningham, 1931a.
Ustilago agropyri McAlp. — Cunningham, 1924c.

Danthonia penicillata (Labill.) Beauv.

Sphaerodothis calospora Syd. — Sydow, 1924.
Uromyces danthoniae McAlp. — Cunningham, 1931a.
Ustilago agropyri McAlp. — Cunningham, 1924c.
Ustilago comburens Ludw. — Cunningham, 1945c.

Daphne odora Thunb.

Daphne-mosaic virus (Not classified) — Chamberlain & Matthews, 1941.

Datura metel L.

Tomato spotted-wilt virus — *Lycopersicum virus 3* — Chamberlain, 1946.

Datura stramonium L.

Tomato spotted-wilt virus — *Lycopersicum virus 3* — Chamberlain, 1946.

Daucus carota L.

Cercospora carotae (Pass.) Solheim. — New Record.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927a.

Erwinia carotovora (Jones) Holland. — Additional Host Record.

Delphinium ajacis L.

Erysiphe polygoni DC. — Additional Host Record.
Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1932a.

Delphinium cultorum Voss.

Erysiphe polygoni DC. — Brien, 1939.
Sclerotium rolfsii Sacc. — Brien, 1939.

Deyeuxia forsteri Kunth.
Puccinia elymi West — Cunningham, 1924A.

Deyeuxia quadriseta (Labill.) Benth.
Tilletia inolens McAlp. — Cunningham, 1945C.

Dianella intermedia Endl.
Uredo dianellae Diet. — Cunningham, 1924A.

Dianthus caryophyllus L.
Alternaria dianthi Stev. & Hall. — Brien, 1939.
Fusarium dianthi Prill & Del. — Cunningham, 1931B.
Heteropatella valtellinensis (Trav.) Wollenw. — New Record.
Heterosporium echinulatum (Berk.) Cke. — Cunningham, 1941.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.
Sclerotium rolfsii Sacc. — Brien, 1939.
Septoria dianthi Desm. — Brien, 1939.
Uromyces dianthi (Pers.) Niessl. — Kirk, 1901.

Dichelachne crinita (Forst. f.) Hook. f.
Claviceps purpurea (Fr.) Tul. — Additional Host Record.
Uredo crinitae G. H. Cunn. — Cunningham, 1924A

Dichondra brevifolia Buch.
Puccinia dichondrae Mont. — Cunningham, 1923A.

Dichondra repens Forst.
Puccinia dichondrae Mont. — Cunningham, 1923A.

Dipsacus fullonum L.
Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1946A.

Discaria toumatou Raoul.
Uromyces discariae (Cke.) G. H. Cunn. — Cunningham, 1923A.

Dysoxylum spectabile (Forst. f.) Hook. f.
Fomes mastoporus (Lev.) Cke. — Cunningham, 1948E.
Fomes setulosus Lloyd — Cunningham, 1948E.
Fomes zealandicus Cke. — Cunningham, 1948E.
Fomitopsis tasmanica (Berk.) G. H. Cunn. — Cunningham, 1948C.

Pseudomonas dysoxyli Hutchinson. — Hutchinson, 1949.

Echinopogon ovatus (Forst. f.) Beauv.
Puccinia graminis Pers. — Cunningham, 1931A.

Edwardsia microphylla (Ait.) Salisb.
Nectria cinnabarina (Tode.) Fr. — Cunningham, 1925A.
Schizophyllum commune Fr. — Birch, 1937.
Uromyces edwardsiae G. H. Cunn. — Cunningham, 1924B.

Elaeagnus parvifolia Royle.
Plasmodiophora elaeagni Schroet. — Sydow, 1924.

Elaeocarpus hookerianus Raoul.
Fomes zealandicus Cke. — Cunningham, 1948E.

Epilobium alsinoides A. Cunn.
Puccinia pulverulenta Grev. .... Cunningham, 1931A.

Epilobium chloraefolium Hausskn.
Puccinia pulverulenta Grev. .... Cunningham, 1923A.

Epilobium cockaynianum Petrie
Puccinia pulverulenta Grev. .... Cunningham, 1928.

Epilobium confertifolium Hook. f.
Puccinia pulverulenta Grev. .... Cunningham, 1923A.

Epilobium glabellum Forst. f.
Puccinia pulverulenta Grev. .... Cunningham, 1923A.

Epilobium hectori Hausskn.
Puccinia pulverulenta Grev. .... Cunningham, 1923A.

Epilobium junceum Sol. ex Spreng.
Puccinia pulverulenta Grev. .... Cunningham, 1924B.

Epilobium linnaeoides Hook f.
Pucciniastrum epilobii (Fuckel) Otth. .... Cunningham, 1931A.

Epilobium melanocaulon Hook.
Puccinia pulverulenta Grev. .... Cunningham, 1923A.

Epilobium microphyllum A. Rich.
Puccinia pulverulenta Grev. .... Cunningham, 1923A.

Epilobium microphyllum var. **prostratum** Petrie.
Puccinia pulverulenta Grev. .... Cunningham, 1931A.

Epilobium nerterioides var. **minimum** Ckn.
Puccinia pulverulenta Grev. .... Cunningham, 1931A.

Epilobium novae-zelandiae Hausskn.
Puccinia pulverulenta Grev. .... Cunningham, 1923A.

Epilobium nummulariifolium R. Cunn. ex A. Cunn.
Puccinia pulverulenta Grev. .... Cunningham, 1923A.

Epilobium pedunculare A. Cunn.
Puccinia pulverulenta Grev. .... Cunningham, 1931A.

Epilobium pictum Petrie.
Puccinia pulverulenta Grev. .... Cunningham, 1924B.

Epilobium pubens A. Rich.
Puccinia pulverulenta Grev. .... Cunningham, 1924B.
Pucciniastrum epilobii (Fuckel) Otth. .... Cunningham, 1931A.

Epilobium rostratum Cheesem.
Puccinia pulverulenta Grev. .... Cunningham, 1931A.

Epilobium tasmanicum Hausskn.
Puccinia pulverulenta Grev. .... Cunningham, 1923A.

Erechtites prenanthoides (A. Rich.) DC.
Puccinia erechtitis McAlp. — Cunningham, 1923A.

Eriobotrya japonica Lindl.
Fabraea maculata Atk. — Brien, 1946A.
Fusicladium dendriticum (Wallr.) Fuckel. var. *eriobotryae* Cav. — New Record.

Erwinia amylovora (Burr.) Winslow *et al.* — Reid, 1930.

Escallonia macrantha Hook & Arn.
Rosellinia radiciperda Mass. — Brien, 1939.
Stereum purpureum Pers. — Brien, 1946A.

Eucalyptus spp.
Botrytis cinerea Pers. — Birch, 1937.
Rosellinia radiciperda Mass. — Birch, 1937.

Eugenia smithii Poir.
Glomerella cingulata (Stonemn.) Spauld & V. Schr. — Brien, 1946B.

Euphorbia glauca Forst. f.
Melampsora novae-zelandiae G. H. Cunn. — Cunningham, 1928.

Euphorbia peplus L.
Botrytis cinerea Pers. — Brien, 1942.

Euphrasia cuneata Forst. f.
Puccinia euphrasiana G. H. Cunn. — Cunningham, 1924A.

Feijoa sellowiana Berg.
Sphaceloma sp. — New Record.

Festuca arundinacea Schreb.
Claviceps purpurea (Fr.) Tul. — Neill, 1941.
Phialea temulenta Prill & Delacr. — Neill, & Hyde, 1942.
Urocystis agropyri (Preuss.) Schroet. — Cunningham, 1945C.

Festuca elatior L.
Claviceps purpurea (Fr.) Tul. — Kirk, 1907.
Phialea temulenta Prill & Delacr. — Neill, & Hyde, 1942.
Phyllachora cunninghamii Syd. — Sydow, 1924.
Puccinia graminis Pers. — Cunningham, 1923A.

Festuca rubra L. var. **commutata** Gaud.
Phialea temulenta Prill & Delacr. — Neill, & Hyde, 1942.

Ficus carica L.
Fig-mosaic virus — *Ficus virus 1* — Li & Proctor, 1944.

Foeniculum vulgare Mill.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Forstera bidwillii var. **densifolia** Mildb.
Uredo forsterae G. H. Cunn. — Cunningham, 1924B.

Fragaria sp. Cult.

Botrytis cinerea Pers.	Brien, 1942.
Dendrophoma obscurans (Ell. & Ev.) H. W. And.	New Record.
Mycosphaerella fragariae (Tul.) Lind.	Kirk, 1894.
Phytophthora fragariae Hickman	Smith, H. C., 1951
Rhizopus nigricans Ehrenb.	Cunningham, 1922A.
Sphaerotheca humuli (DC.) Burr.	Cunningham, 1922A.
Verticillium albo-atrum Reinke & Berth.	Additional Host Record.
Strawberry-crinkle virus — *Fragaria virus 2*	Cunningham, 1949.
Strawberry yellow-edge virus — *Fragaria virus 1*	Chamberlain, 1934B.

Fraxinus excelsior L.

Stereum purpureum Pers.	Cunningham, 1925A.

Fuchsia excorticata L. f.

Uredo konini G. H. Cunn.	Cunningham, 1928.

Fuchsia perscandens Ckn. & Allan.

Uredo konini G. H. Cunn.	Cunningham, 1928.

Gahnia pauciflora T. Kirk.

Farysia endotricha (Berk.) Syd.	Cunningham, 1926A.

Gahnia setifolia (A. Rich.) Hook. f.

Farysia endotricha (Berk.) Syd.	Cunningham, 1945B.

Gahnia xanthocarpa Hook. f.

Farysia endotricha (Berk.) Syd.	Cunningham, 1945B.

Gaillardia aristata Pursh.

Sclerotinia sclerotiorum (Lib.) de Bary.	Brien, 1939.

Galium umbrosum Sol. ex Forst. f.

Puccinia punctata Link.	Cunningham, 1924A.

Gentiana bellidifolia Hook. f.

Puccinia tararua G. H. Cunn.	Cunningham, 1931A.

Gentiana cerina Hook. f.

Puccinia tararua G. H. Cunn.	Cunningham, 1931A.

Gentiana corymbifera Kirk.

Puccinia cockaynei G. H. Cunn.	Cunningham, 1923A.

Gentiana grisebachii Hook. f.

Puccinia cockaynei G. H. Cunn.	Cunningham, 1923A.

Gentiana patula Cheesem.

Puccinia tararua G. H. Cunn.	Cunningham, 1923A.

Gentiana townsoni Cheesem.

Puccinia cockaynei G. H. Cunn.	Cunningham, 1931A.

Geranium dissectum var. **glabratum** Hook. f.

Puccinia geranii-pilosi McAlp.	Cunningham, 1931A.

Geranium microphyllum Hook. f.
Puccinia geranii-pilosi McAlp. — Cunningham, 1931A.

Gerbera jamesoni Bolus.
Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1946A.
Septoria gerberae Syd. — New Record.

Gladiolus sp. Cult.
Penicillium gladioli McCull. & Thom. — Brien, 1939.
Sclerotinia gladioli Drayton — Brien, 1939.
Septoria gladioli Pass. — Brien, 1939.

Glyceria fluitans (L.) R. Br.
Claviceps purpurea (Fr.) Tul. — Neill, 1941.

Glyceria maxima (Hartm.) Holmb.
Puccinia graminis Pers. — Cunningham, 1931A.

Gnaphalium luteo-album × **purpureum**
Puccinia gnaphaliicola P. Henn. — Cunningham, 1930.

Haloragis depressa (A. Cunn.) Walp.
Puccinia toa G. H. Cunn. — Cunningham, 1930.

Haloragis erecta (Murr.) Schindl.
Puccinia toa G. H. Cunn. — Cunningham, 1930.

Hebe buxifolia (Benth.) Ckn. & Allan.
Aecidium disciforme McAlp. — Cunningham, 1931A.

Hebe elliptica (Forst. f.) Pennell.
Aecidium hebe G. H. Cunn. — Cunningham, 1928.

Hebe glaucophylla Ckn.
Aecidium disciforme McAlp. — Cunningham, 1928.

Hebe macrantha (Hook f.) Ckn. & Allan.
Aecidium hebe G. H. Cunn. — Cunningham, 1928.

Hebe macrantha var. **brachyphylla** (Cheesem.) Ckn. & Allan.
Aecidium hebe G. H. Cunn. — Cunningham, 1928.

Hebe salicifolia (Forst. f) Penn.
Aecidium disciforme McAlp. — Cunningham, 1945A.

Hebe subalpina Ckn.
Orbiliopsis callistea Syd. — Sydow, 1924.

Hebe traversii (Hook. f.) Ckn. & Allan.
Aecidium disciforme McAlp. — Cunningham, 1928.
Aecidium hebe G. H. Cunn. — Cunningham, 1931A.

Hebe treadwellii Ckn. & Allan.
Aecidium hebe G. H. Cunn. — Cunningham, 1928.

Helianthus annuus L.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Helianthus tuberosus L.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Hierochloe redolens (Forst. f.) R. Br.
Uredo karetu G. H. Cunn. — Cunningham, 1924A.

Histiopteris incisa (Thunb.) J. Sm.
Milesina histiopteridis G. H. Cunn. — Cunningham, 1924A.

Hoheria angustifolia Raoul.
Pholiota adiposa Fr. — Birch, 1937.
Puccinia plagianthi McAlp. — Cunningham, 1928.

Hoheria glabrata Sprag. & Summerh.
Puccinia plagianthi McAlp. — Cunningham, 1923A.

Hoheria lyallii Hook f.
Puccinia plagianthi McAlp. — Cunningham, 1928.

Hoheria populnea A. Cunn.
Myxosporium hoheriae Atkinson. — Atkinson, J. D., 1940.
Puccinia plagianthi McAlp. — Cunningham, 1923A.

Hoheria sexstylosa Col.
Myxosporium hoheriae Atkinson. — Atkinson, J. D., 1940.

Holcus lanatus L.
Claviceps purpurea (Fr.) Tul. — Neill, 1941.
Dilophospora alopecuri (Fr.) Fr. — New Record.
Puccinia coronata Cda. — Cunningham, 1922B.
Tilletia holci (Westend.) Rostr. — Cunningham, 1924C.
Ustilago striaeformis (Westend.) Niessl. — Cunningham, 1924C.

Holcus mollis L.
Puccinia coronata Cda. — Cunningham, 1927B.

Hordeum murinum L.
Claviceps purpurea (Fr.) Tul. — Brien, 1939.
Rhyncosporium secalis (Oudem.) J. J. Davis. — Brien, 1942.

Hordeum vulgare L.
Claviceps purpurea (Fr.) Tul. — Brien, 1939.
Erysiphe graminis DC. — Neill, 1928.
Fusarium culmorum (W. G. Sm.) Sacc. — Brien, 1939.
Gibberella zeae (Schw.) Petch. — Cunningham, 1922B.
Helminthosporium gramineum Rabenh. — Kirk, 1906.
Puccinia anomala Rostr. — Cunningham, 1931A.
Rhyncosporium secalis (Oudem.) J. J. Davis — Cunningham, 1940.
Ustilago hordei (Pers.) Lagerh. — Kirk, 1906.
Ustilago tritici Jens. — Cunningham, 1924C.

Humulus lupulus L.
Fusarium sp. — Curtis, 1948.
Phytophthora cactorum (Lib. & Cohn.) Schroet. — Brien, 1938.
Sclerotinia sclerotiorum (Lib.) de Bary. — Additional Host Record
Verticillium sp. — Curtis, 1948.

Agrobacterium tumefaciens (Smith & Townsd.) Conn. — Dye, Hutchinson, & Hastings, 1949.

Hydrangea opuloides Koch.
Oidium sp. — New Record.

Hydrocotyle moschata Forst. f.
Puccinia hydrocotyles (Link.) Cke. — Cunningham, 1923A.

Hydrocotyle novæ-zelandiæ DC.
Puccinia hydrocotyles (Link.) Cke. — Cunningham, 1923A.

Hydrocotyle tripartita R. Br. ex A. Rich.
Puccinia hydrocotyles (Link.) Cke. — Cunningham, 1923A.

Hypericum gramineum Forst f.
Aecidium disseminatum Berk. — Cunningham, 1931A.
Melampsora kusanoi Diet. — Cunningham, 1924A.

Hypericum japonicum Thunb.
Aecidium disseminatum Berk. — Cunningham, 1924A.

Hypochoeris glabra L.
Puccinia hieracii (Schum.) H. Mart. — Cunningham, 1931A.

Hyoscyamus niger L.
Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1946A.

Potato virus Y — *Solanum virus 2* — Proctor, 1944.

Ipomoea batatas Poir.
Ceratostomella fimbriata (Ell. & Hals.) Elliott. New Record.
Monilochaetes infuscans Halst. ex Harter. — New Record.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1940.

Iris germanica L.
Didymellina macrospora Kleb. — New Record.

Iris tingitana Boiss.
Iris-mosaic virus — *Iris virus 1* — Chamberlain, 1946.

Iris xiphium L.
Iris-mosaic virus — *Iris virus 1* — Chamberlain, 1946.

Juglans regia L.
Nectria cinnabarina (Tode) Fr. — Additional Host Record.

Xanthomonas juglandis (Pierce) Dowson. — Kirk, 1907.

Juncus novæ-zelandiæ Hook f.
Puccinia juncophila Cke. & Mass. — Cunningham, 1945A.

Juncus pallidus R. Br.
Puccinia juncophila Cke. & Mass. — Cunningham, 1931A.

Juncus polyanthemos Buchen.
Puccinia juncophila Cke. & Mass. — Cunningham, 1931A.

Juncus vaginatus R. Br.
Puccinia juncophila Cke. & Mass. — Cunningham, 1923A.

Knightia excelsa R. Br.
Coriolus sanguineus (Fr.) G. H. Cunn. — Birch, 1937.
Fomes mastoporus (Lev.) Cke. — Cunningham, 1948E.

Laburnum sp.
Nectria cinnabarina (Tode) Fr. — Additional Host Record.

Lachenalia pendula Ait.
Mystrosporium adustum Mass. — New Record.

Lactuca sativa L.
Botrytis cinerea Pers. — Brien, 1939.
Bremia lactucae Regel. — Cunningham, 1922A.
Marssonina panattoniana (Berl.) Magn. — Taylor & Li, 1944.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Lettuce-mosaic virus — *Lactuca virus 1* — Chamberlain, 1948B.
Tomato spotted-wilt virus — *Lycopersicum virus 3* — Chamberlain & Taylor, 1938.

Lagenophora barkeri Kirk.
Puccinia lagenophorae Cke. — Cunningham, 1923A.

Lagenophora pumila (Forst. f.) Cheesem.
Puccinia lagenophorae Cke. — Cunningham, 1923A.

Lapsana communis L.
Puccinia lapsanae Fuckel — Cunningham, 1923A.

Lathyrus odoratus L.
Botrytis cinerea Pers. — Brien, 1939.
Erysiphe polygoni DC. — Kirk, 1907.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Pea-mosaic virus — *Pisum virus 2* — Chamberlain, 1935A.

Lavatera arborea L.
Puccinia malvacearum Bert. — Cunningham, 1931A.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Lepidium sativum L.
Cystopus candidus (Pers. ex Chev.) Lev. — Additional Host Record.

Leptospermum ericoides A. Rich.
Fomes mastoporus (Lev.) Cke. — Cunningham, 1948E.
Fomes setulosus Lloyd. — Cunningham, 1948E.

Leptospermum scoparium Forst.
Fomes setulosus Lloyd. — Cunningham, 1927C.

Ligustrum vulgare L.
Rosellinia radiciperda Mass. — Cunningham, 1925A.

Lilium longiflorum Thunb.
Cucumber-mosaic virus — Lily-mosaic strain of *Cucumis virus 1* — Brien, 1939.

Lilium sp. cult.

Botrytis cinerea Pers. — Brien, 1939.
Heterosporium allii Ellis & Martin. — New Record.

Linum marginale A. Cunn.

Melampsora lini (Ehrenb.) Lev. — Cunningham, 1945A.
Polyspora lini Laff. — Additional Host Record.
Sphaerella linorum Wollenw. — Newhook, 1942.

Linum monogynum Forst. f.

Melampsora lini (Ehrenb.) Lev. — Cunningham, 1924A
Polyspora lini Laff. — Additional Host Record.
Sphaerella linorum Wollenw. — Additional Host Record.

Linum monogynum var. **chathamicum** Ckn.

Melampsora lini (Ehrenb.) Lev. — Cunningham, 1924A.

Linum usitatissimum L.

Botrytis cinerea Pers. — Brien, 1946A.
Colletotrichum linicola Pethybr. & Laff. — Cunningham, 1942.
Fusarium lini Bolley — Baylis, 1940.
Melampsora lini (Ehrenb.) Lev. — Cunningham, 1927B.
Polyspora lini Laff. — Baylis, 1941.
Sphaerella linorum Wollenw. — Cunningham, 1931B.

Hail-injury (physiological) — Baylis, 1939.

Lobelia anceps L. f.

Puccinia aucta Berk. & F.v.M. — Cunningham, 1923A.

Lobelia sp. cult.

Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1939.

Lolium multiflorum Lam.

Claviceps purpurea (Fr.) Tul. — Kirk, 1907.
Corticium fuciforme (Berk.) Wakef. — Cunningham, 1922B.
Phialea temulenta Prill & Delacr. — Neill & Hyde, 1939.
Puccinia coronata Corda. — Cunningham, 1922B.
Puccinia graminis Pers. — Cunningham, 1923A.

Lolium perenne L.

Claviceps purpurea (Fr.) Tul. — Kirk, 1907.
Phialea temulenta Prill & Delacr. — Neill & Hyde, 1939.
Puccinia coronata Corda. — Cunningham, 1922B.
Puccinia graminis Pers. — Cunningham, 1923A.

Lolium temulentum L.

Puccinia coronata Corda. — Cunningham, 1931A.
Puccinia graminis Pers. — Cunningham, 1923A.

Lupinus angustifolius L.

Ascochyta pisi Lib. — Curtis, 1923.
Botrytis cinerea Pers. — Curtis, 1923.
Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1932A.

Pea-mosaic virus — *Pisum virus 2* — Chamberlain, 1935A.

Lupinus albus L.
Pea-mosaic virus — *Pisum virus 2* — Chamberlain, 1946.

Lupinus luteus L.
Pea-mosaic virus — *Pisum virus 2* — Chamberlain, 1946.

Lupinus mutabilis L.
Pea-mosaic virus — *Pisum virus 2* — Chamberlain, 1946.

Lupinus polyphyllus Lindl.
Tomato spotted-wilt virus — *Lycopersicum virus 3* — Chamberlain, 1946.

Luzula campestris DC.
Puccinia tenuispora McAlp. — Cunningham, 1930.

Luzula crinita Hook. f.
Puccinia tenuispora McAlp. — Cunningham, 1931A.

Lycopersicum esculentum Mill.
Alternaria solani (Ellis & Martin) Sorauer. — Kirk, 1895.
Botrytis cinerea Pers. — Brien, 1939.
Cladosporium fulvum Cke. — Kirk, 1896.
Didymella lycopersici Kleb. — Cunningham, 1922A.
Fusarium bulbigenum Cke. & Mass. var. *lycopersici* (Brushi) Wollenw. — Kirk, 1906.
Pellicularia filamentosa (Pat.) Rogers — Taylor, 1924.
Phoma destructiva Plowr. — Brien, 1939.
Phytophthora cryptogea Pethybr. & Laff. — Brien, 1941B.
Phytophthora infestans (Mont.) de Bary. — Kirk, 1905.
Pythium de baryanum Hesse. — Brien, 1942.
Pythium ultimum Trow. — Brien & Chamberlain, 1936.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.
Septoria lycopersici Speg. — Kirk, 1906.
Verticillium albo-atrum Reinke & Berth. — Taylor, 1924.
Verticillium dahliae Kleb. — Brien, 1942.

Agrobacterium tumefaciens (Sm. & Townsd.) Conn. — Dye, Hutchinson, & Hastings, 1949.

Corynebacterium michiganense (Erw. Smith) Jensen. — Reid, 1938C.
Pseudomonas punctulans (Bryan) Dowson — Reid, 1948.

Cucumber-mosaic virus — *Cucumis virus 1* — Chamberlain, 1934C.
Tobacco-mosaic virus — *Nicotiana virus 1* — Chamberlain, 1934A.
Tobacco-mosaic virus — Tomato-streak strain of *Nicotiana virus 1* — Chamberlain, 1940A.
Tomato spotted-wilt virus — *Lycopersicum virus 3* — Chamberlain & Taylor, 1936.

Tomato-streak, mixed virus — Tobacco-mosaic virus + Potato virus X — Chamberlain, 1940C.

Blossom-end rot (physiological) — Cunningham, 1922A.
Catface (physiological) — Atkinson, J. D., *et al.*, 1949.

Cloudy-fruit (physiological) .... Brien, 1939.
Fruit-splitting (physiological) .... Atkinson, J. D., *et al.*, 1949.
Growth-cracks (physiological) .... Atkinson, J. D., *et al.*, 1949.
Hard-core (physiological) .... Cunningham, 1940.
Leaf-twist (physiological) .... Atkinson, J. D., *et al.*, 1949.
Pockets (physiological) .... Atkinson, J. D., *et al.*, 1949.
Sun-scald (physiological) .... Atkinson, J. D., *et al.*, 1949.

Malcomia maritima R. Br.
Cystopus candidus (Pers. ex Chev.) Lev. .... Additional Host Record.

Malva rotundifolia L. em. Sm.
Puccinia malvacearum Bert. .... Cunningham, 1923A.
Verticillium dahliae Kleb. .... Additional Host Record.

Malva silvestris L.
Puccinia malvacearum Bert. .... Cunningham, 1923A.

Matthiola incana R. Br.
Sclerotinia sclerotiorum (Lib.) de Bary. .... Additional Host Record.
Verticillium dahliae Kleb. .... Additional Host Record.

Turnip-mosaic virus — *Brassica virus 1* .... Chamberlain, 1939D.

Medicago sativa L.
Peronospora trifoliorum de Bary .... Cunningham, 1922B.
Pseudopeziza medicaginis (Lib.) Sacc. .... Cunningham, 1922B.
Pyrenopeziza medicaginis Fuckel. .... Cunningham, 1922B.
Scelerotinia trifoliorum Erikss. .... Cunningham, 1922B.
Uromyces striatus Schroet. .... Cunningham, 1922B.

Mentha cunninghamii Benth.
Puccinia pseudomenthae G. H. Cunn. .... Cunningham, 1930.

Mesembryanthemum edule L.
Cystopus sp. .... Brien, 1939.

Mespilus germanica L.
Erwinia amylovora (Burr.) Winslow *et al.* .... Waters, 1921.

Metrosideros robusta A. Cunn.
Fomes applanatus (Pers.) Gill. .... Cunningham, 1948E.
Fomes mastoporus (Lev.) Cke. .... Cunningham, 1948E.
Fomes setulosus Lloyd. .... Cunningham, 1948E.
Fomes zealandicus Cke. .... Cunningham, 1948E.

Microtis unifolia (Forst. f.) Reichb.
Uromyces microtidis Cke. .... Cunningham, 1923A.

Morus alba L.
Nectria cinnabarina (Tode) Fr. .... Cunningham, 1925A.

Muehlenbeckia australis (Forst.) f. Meissn.
Puccinia tiritea G. H. Cunn. .... Cunningham, 1923A.

Muehlenbeckia axillaris (Hook. f.) Walp.
Puccinia tiritea G. H. Cunn. — Cunningham, 1924B.

Muehlenbeckia axillaris x ephedroides
Puccinia tiritea G. H. Cunn. — Cunningham, 1931A.

Muehlenbeckia complexa (A. Cunn.) Meissn.
Puccinia tiritea G. H. Cunn. — Cunningham, 1923A.

Musa sapientum L.
Gloeosporium musarum Cke. & Mass. — Cunningham, 1931B.
Rhizopus arrhizus Fisch. — Brien, 1939.

Myoporum laetum Forst. f.
Aecidium myopori G. H. Cunn. — Cunningham, 1924A.

Myosotis capitata Hook. f.
Puccinia novo-zelandica Bubak. — Cunningham, 1924A.

Narcissus spp.
Stagonospora curtisii (Berk.) Sacc. — Brien, 1942.

Narcissus-mosaic virus — Not classified. — Chamberlain, 1946.

Nicotiana rustica L.
Tobacco-mosaic virus — *Nicotiana virus 1* — Chamberlain, 1937.

Nicotiana tabacum L.
Macrosporium tabacinum Ell. & Everh. — Cunningham, 1931B.
Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1932A.
Thielaviopsis basicola (Berk. & Br.) Ferraris. — Curtis, 1944.
Verticillium albo-atrum Reinke & Berth. — Curtis, 1944.
Verticillium dahliae Kleb. — Additional Host Record.

Pseudomonas angulata (Fromme & Murray) Holland — Curtis, 1944.

Tobacco-mosaic virus — *Nicotiana virus 1* — Chamberlain, 1934A.
Tobacco-mosaic virus — Tobacco vein-banding necrosis strain of *Nicotiana virus 1* — Chamberlain, 1940B.
Tomato spotted-wilt virus — *Lycopersicum virus 3* — Taylor & Chamberlain, 1937.

Nothofagus cliffortioides (Hook, f.) Oerst.
Fomes setulosus Lloyd. — Cunningham, 1948E.
Fomitopsis hemitephra (Berk.) G. H. Cunn. — Cunningham, 1948E.

Nothofagus fusca (Hook. f.) Oerst.
Fomes applanatus (Pers.) Gill. — Cunningham, 1948E.
Fomes mastoporus (Lev.) Cke. — Cunningham, 1927C.
Fomes setulosus Lloyd. — Cunningham, 1927C.
Fomes zealandicus Cke. — Cunningham, 1948E.
Fomitopsis hemitephra (Berk.) G. H. Cunn. — Cunningham, 1927C.
Polyporus portentosus Berk. — Cunningham, 1927C.

Nothofagus menziesii (Hook. f.) Oerst.

Armillaria mellea (Fr.) Quel. — Birch, 1937.
Cyttaria gunnii Berk. — Simpson & Thompson, 1928.
Fomes applanatus (Pers.) Gill. — Cunningham, 1948E.
Fomes mastoporus (Lev.) Cke. — Cunningham, 1927C.
Fomes setulosus Lloyd. — Cunningham, 1948E.
Fomitopsis hemitephra (Berk.) G. H. Cunn. — Birch, 1937.
Fomitopsis tasmanica (Berk.) G. H. Cunn. — Cunningham, 1948C.

Nothofagus sp.

Polyporus portentosus Berk. — Cunningham, 1948A.

Nothofagus truncata Col.

Fomes setulosus Lloyd. — Cunningham, 1948E.
Fomitopsis hemitephra (Berk.) G. H. Cunn. — Birch, 1937.
Polyporus portentosus Berk. — Birch, 1937.

Nothopanax arboreum (Forst. f.) Seem.

Fomitopsis hemitephra (Berk.) G. H. Cunn. — Cunningham, 1948C.

Nothopanax colensoi Seem.

Placosoma nothopanacis Syd. — Sydow, 1924.

Olearia angustifolia Hook. f.

Uredo brownii Syd. — Cunningham, 1928.

Olearia arborescens (Forst. f.) Ckn. & Laing.

Aecidium otira G. H. Cunn. — Cunningham, 1928.

Olearia avicennæfolia (Raoul) Hook f.

Puccinia akiraho G. H. Cunn. — Cunningham, 1931A.

Olearia colensoi Hook. f.

Uredo tupare G. H. Cunn. — Cunningham, 1924A

Olearia ilicifolia Hook f.

Puccinia atkinsonii G. H. Cunn. — Cunningham, 1928.

Olearia ilicifolia x lacunosa

Puccinia atkinsonii G. H. Cunn. — Cunningham, 1928.

Olearia lacunosa Hook. f.

Puccinia perlaevis G. H. Cunn. — Cunningham, 1928.

Olearia lacunosa x arborescens

Puccinia atkinsonii G. H. Cunn. — Cunningham, 1923A.

Olearia lyallii Hook. f.

Uredo olearíae Cke. — Cunningham, 1924A

Olearia macrodonta Baker

Puccinia atkinsonii G. H. Cunn. — Cunningham, 1924A.

Olearia moschata Hook. f.

Puccinia moschata G. H. Cunn. — Cunningham, 1930.

Olearia nummularifolia Hook. f.
Puccinia keae G. H. Cunn. .... Cunningham, 1928.

Olearia paniculata (Forst.) Cheesem.
Puccinia akiraho G. H. Cunn. .... Cunningham, 1923A.

Olearia rani (A. Cunn.) Ckn.
Puccinia atkinsonii G. H. Cunn. .... Cunningham, 1931A.

Oreomyrrhis andicola End.
Puccinia ruizensis Eug. Mayor. .... Cunningham, 1927B.

Ourisia macrocarpa Hook f.
Puccinia pedatissima G. H. Cunn. .... Cunningham, 1926A.

Ourisia macrophylla Hook.
Puccinia pedatissima G. H. Cunn. .... Cunningham, 1923A.

Ourisia macphersonii Ckn. & Allan.
Puccinia pedatissima G. H. Cunn. .... Cunningham, 1931A.

Pachystegia insignis (Hook. f.) Cheesem.
Uredo wharanui G. H. Cunn. .... Cunningham, 1924A.

Panicum miliaceum L.
Sphacelotheca cordobensis (Speg.) Jackson .... Cunningham, 1945C.

Papaver nudicaule L.
Botrytis cinerea Pers. .... Brien, 1939.
Oidium sp. .... New Record.

Tomato spotted-wilt virus — *Lycopersicum virus 3* .... Chamberlain & Taylor, 1938.

Parsonsia capsularis x heterophylla
Caeoma kaiku G. H. Cunn. .... Cunningham, 1930.

Paspalum dilatatum Poir.
Claviceps paspali Stevens & Hall. .... Neill, 1941.
Fusarium culmorum (W. G. Sm.) Sacc. .... Brien, 1939.

Passiflora edulis Sims.
Alternaria passiflorae Simmonds. .... Brien, 1940.
Botrytis cinerea Pers. .... Brien, 1939.
Fusarium avenaceum (Fr.) Sacc. .... Brien, 1939.
Glomerella cingulata (Stonemn.) Spauld & V. Schr. .... Brien, 1939.
Sclerotinia sclerotiorum (Lib.) de Bary. .... Cunningham, 1927A.

Pseudomonas passiflorae W. D. Reid. .... Reid, 1938D.

Cucumber-mosaic virus — *Cucumis virus 1* .... Cunningham, 1939.

Pastinaca sativa L.
Cercosporella pastinacae Karst. .... New Record.
Phyllachora pastinacae Rostr. .... Cunningham, 1931B.
Sclerotinia sclerotiorum (Lib.) de Bary. .... Cunningham, 1927A.

Agrobacterium tumefaciens (Sm. & Townsd.) Conn. — Dye, Hutchinson, & Hastings, 1949.

Pelargonium hortorum Bailey

Puccinia pelargonii-zonalis Doidge — Cunningham, 1923A.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Pelargonium inodorum Willd.

Puccinia morrisoni McAlp. — Cunningham, 1923A.

Persea americana Mill.

Glomerella cingulata (Stonemn.) Spauld & V. Schr. — Brien, 1939.

Petunia hybrida Vilm.

Sclerotinia sclerotiorum (Lib.) de Bary. — Additional Host Record.
Oidium sp. — Additional Host Record.

Phalaris tuberosa L.

Puccinia graminis Pers. — Cunningham, 1931A.

Phaseolus coccineus L.

Colletotrichum lindemuthianum (Sacc. & Magn.) Bri. & Cav. — Reid, 1943.

Pseudomonas phaseolicola (Burkh.) Dowson — Reid, 1931.

Bean-mosaic virus — *Phaseolus virus 1* — Chamberlain, 1939B.

Phaseolus vulgaris L.

Botrytis cinerea Pers. — Brien, 1939.
Colletotrichum lindemuthianum (Sacc. & Magn.) Bri. & Cav. — Kirk, 1905.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Pseudomonas phaseolicola (Burkh.) Dowson. — Reid, 1931.

Bean-mosaic virus — *Phaseolus virus 1* — Chamberlain, 1939B.

Phlox drummondii Hook.

Septoria drummondii Ell. & Everh. — Brien, 1939.

Phormium colensoi Hook. f.

Uredo phormii G. H. Cunn. — Cunningham, 1924A

Phormium tenax Forst.

Heterosporium sp. — Atkinson, E. H., 1921.
Septoria sp. — Atkinson, E. H., 1921.
Uredo phormii G. H. Cunn. — Cunningham, 1924A

Yellow-leaf — Cause undetermined. — Atkinson, E. H., 1921.

Physalis peruviana L.

Entyloma australe Speg. — Cunningham, 1945C.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.
Stereum purpureum Pers. — Brien, 1939.

Tobacco-mosaic virus — *Nicotiana virus 1* — Chamberlain, 1934A.

Pinus banksiana Lamb.
Hypoderma amplum L. — Birch, 1937.

Pinus canariensis C. Smith.
Phomopsis strobi Syd. — Birch, 1935.

Pinus muricata Don.
Armillaria mellea (Fr.) Quel. — Birch, 1937.
Phomopsis strobi Syd. — Birch, 1935.

Pinus contorta var. **murrayana** Engel.
Armillaria mellea (Fr.) Quel. — Birch, 1937.

Pinus ponderosa Douglas.
Armillaria mellea (Fr.) Quel. — Birch, 1937.

Pinus radiata Don.
Armillaria mellea (Fr.) Quel. — Birch, 1937.
Botrytis cinerea Pers. — Birch, 1937.
Fomes mastoporus (Lev.) Cke. — Cunningham, 1948E.
Pestalotia funerea Desm. — Birch, 1933.
Phomopsis strobi Syd. — Birch, 1935.

Pinus spp.
Diplodia pinea (Desm.) Kickx. — Curtis, 1926.
Nectria cinnabarina (Tode) Fr. — Birch, 1937.

Pinus strobus L.
Rosellinia radiciperda Mass. — Birch, 1937.

Pisum sativum L.
Ascochyta pinodella L. K. Jones. — Brien, 1939.
Ascochyta pisi Lib. — Kirk, 1906.
Botrytis cinerea Pers. — Brien, 1939.
Erysiphe polygoni DC. — Kirk, 1901.
Fusarium orthoceras Appel. & Wollenw. var. *pisi* Linf. — Cruickshank (In Press).
Fusarium solani Mart. var. *martii* Appel & Wollenw. — Cruickshank, 1951.
Mycosphaerella pinodes (Berk. & Blox.) Vestergr. — Cunningham, 1922A.
Peronospora pisi (de Bary.) Syd. — Kirk, 1906.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.
Septoria pisi Westend. — Cruickshank, 1949.
Uromyces fabae (Pers.) de Bary. — Cunningham, 1945A.

Pseudomonas pisi Sackett. — New Record.

Pea-mosaic virus — *Pisum virus 2* — Chamberlain, 1935A.
Pea-streak virus — *Pisum virus 3* — Chamberlain, 1939A.
Tomato spotted-wilt virus — *Lycopersicum virus 3* — Chamberlain, 1946.

Pisum sativum L. var. **arvense** Poir.
Ascochyta pisi Lib. — Additional Host Record.
Peronospora pisi (de Bary) Syd. — Additional Host Record.
Septoria pisi Westend. — Cruickshank, 1949.

Pea-mosaic virus — *Pisum virus 2* — Chamberlain, 1936B.

Plagianthus betulinus A. Cunn.
Puccinia plagianthi McAlp. — Cunningham, 1923A.
Myxosporium hoheriae Atk. — Atkinson, J. D., 1940.

Plantago triantha Spreng.
Aecidium plantaginis-variae McAlp. — Cunningham, 1928.

Plantago spathulata Hook. f.
Aecidium plantaginis-variae McAlp. — Cunningham, 1924A.

Platanus orientalis L.
Gnomonia veneta (Sacc. & Speg.) Kleb. — Brien, 1939.

Poa anceps Forst.
Uromyces otakou G. H. Cunn. — Cunningham, 1931A.

Poa annua L.
Puccinia poarum Niels. — Cunningham, 1922B.

Poa cæspitosa Sprengel.
Uromyces otakou G. H. Cunn. — Cunningham, 1923A.

Poa litorosa Cheesem.
Uromyces otakou G. H. Cunn. — Cunningham, 1931A.

Poa pratensis L.
Claviceps purpurea (Fr.) Tul. — Neill, 1941.
Puccinia poarum Niels. — Cunningham, 1922B.

Podocarpus dacrydioides A. Rich.
Fomes mastoporus (Lev.) Cke. — Cunningham, 1948E.

Podocarpus hallii T. Kirk.
Corynelia tropica (Auersw. & Rabenh.) Starb. Birch, 1937.

Podocarpus spicatus R. Br.
Fomes mastoporus (Lev.) Cke. — Cunningham, 1927C.

Podocarpus totara Don.
Corynelia tropica (Auersw. & Rabenh.) Starb. Birch, 1937.

Polygonum aviculare L.
Uromyces polygoni-avicularis (Pers.) Ramsb. — Cunningham, 1923A.

Polygonum persicaria L.
Sphacelotheca hydropiperis (Schuem.) de Bary. Cunningham, 1945C.
Septoria polygonorum Desm. — New Record.

Polygonum serrulatum Lag.
Sphacelotheca hydropiperis (Schuem.) de Bary. Cunningham, 1924C.

Populus eugenei Simon-Louis.
Taphrina populina Fr. — Birch, 1937.

Populus nigra L.
Cytospora chrysosperma (Pers.) Fr. — Birch, 1937.
Sphaceloma populi (Sacc.) Jenkins. — New Record.
Stereum purpureum Pers. — Cunningham, 1921A.

Populus tremula L.

Taphrina populina Fr. .... Birch, 1937.

Portulaca oleracea L.

Cystopus portulacae de Bary. .... New Record.

Pratia angulata (Forst. f.) Hook. f.

Aecidium microstomum Berk. .... Cunningham, 1928.

Pratia macrodon Hook. f.

Aecidium microstomum Berk. .... Cunningham, 1928.

Primula polyantha Mill.

Ramularia primulae V. Thuem. .... Cunningham, 1944.

Cucumber-mosaic virus — *Cucumis virus 1* .... Chamberlain, 1939c.

Prunus armeniaca L.

Cladosporium carpophilum Thuem. .... Kirk, 1904.
Clasterosporium carpophilum (Lev.) Aderh. .... Cunningham, 1921b.
Nectria cinnabarina (Tode) Fr. .... Kirk, 1905.
Phyllosticta prunicola Sacc. .... Blackmore, 1894.
Puccinia pruni-spinosae Pers. .... Kirk, 1897.
Rhizopus arrhizus Fisch. .... Cunningham, 1925a.
Rosellinia radiciperda Mass. .... Cunningham, 1925a.
Sclerotinia fructicola (Wint.) Rehm. .... Kirk, 1905.
Stereum purpureum Pers. .... Cunningham, 1921a.
Taphrina deformans (Berk.) Tul. .... Kirk, 1894.
Valsa leucostoma (Pers.) Fr. .... Cunningham, 1920.
Verticillium dahliae Kleb. .... Brien, 1946a.

Agrobacterium tumefaciens (Sm. & Townsd.) Conn. .... Kirk, 1906.

Brown-spot (physiological) .... Askew & Lloyd-Williams, 1939.
Gummosis (physiological) .... Cunningham, 1925a.
Sour-sap (physiological) .... Cockayne, 1915.

Prunus avium L.

Clasterosporium carpophilum (Lev.) Aderh. .... Cunningham, 1921a.
Coriolus versicolor (Linne. ex Fr.) Quel. .... Cunningham, 1948b.
Nectria cinnabarina (Tode) Fr. .... Cunningham, 1921a.
Phyllosticta prunicola Sacc. .... Cunningham, 1925a.
Podosphaera oxyacanthae (DC.) de Bary. .... Cunningham, 1921a.
Rosellinia radiciperda Mass. .... Cunningham, 1925a.
Sclerotinia fructicola (Wint.) Rehm. .... Kirk, 1905.
Stereum purpureum Pers. .... Cunningham, 1921a.
Taphrina minor Sadeb. .... Cunningham, 1921a.
Valsa leucostoma (Pers.) Fr. .... Cunningham, 1921a.

Agrobacterium tumefaciens (Sm. & Townsd.) Conn. .... Cunningham, 1921a.
Pseudomonas syringae Van Hall. .... Additional Host Record.

Gummosis (physiological) .... Cunningham, 1925a.
Sour-sap (physiological) .... Cunningham, 1925a.

Prunus communis Fritsch.

Clasterosporium carpophilum (Lev.) Aderh. — Cunningham, 1921A.
Nectria cinnabarina (Tode) Fr. — Cunningham, 1921A.
Phyllosticta prunicola Sacc. — Cunningham, 1925A.
Puccinia pruni-spinosae Pers. — Cunningham, 1921A.
Stereum purpureum Pers. — Cunningham, 1921A.
Taphrina deformans (Berk.) Tul. — Cunningham, 1921A.
Valsa leucostoma (Pers.) Fr. — Cunningham, 1921A.

Agrobacterium tumefaciens (Sm. & Townsd.) Conn. — Cunningham, 1921A.

Gummosis (physiological) — Cunningham, 1925A.

Prunus spp. **(Plums)**

Clasterosporium carpophilum (Lev.) Aderh. — Cunningham, 1921A.
Nectria cinnabarina (Tode) Fr. — Cunningham, 1921A.
Phyllosticta prunicola Sacc. — Kirk, 1895.
Puccinia pruni-spinosae Pers. — Kirk, 1897.
Rosellinia radiciperda Mass. — Cunningham, 1925A.
Sclerotinia fructicola (Wint.) Rehm. — Kirk, 1905.
Stereum purpureum Pers. — Blackmore, 1894.
Taphrina pruni (Fuckel.) Tul. — Cunningham, 1921A.
Valsa leucostoma (Pers.) Fr. — Cunningham, 1921A.

Agrobacterium tumefaciens (Sm. & Townsd.) Conn. — Kirk, 1906.
Xanthomonas pruni (Erw. Smith) Dowson. — Reid, 1945.

Gummosis (physiological) — Cunningham, 1925A.
Sour-sap (physiological) — Cockayne, 1915.

Prunus persica Sieb. & Zucc.

Botrytis cinerea Pers. — Cunningham, 1925A.
Cladosporium carpophilum Thuem. — Cunningham, 1921A.
Clasterosporium carpophilum (Lev.) Aderh. — Boucher, 1901.
Coriolus versicolor (Linne ex Fr.) Quel. — Cunningham, 1927C.
Nectria cinnabarina (Tode) Fr. — Cunningham, 1920.
Penicillium expansum Link. — Cunningham, 1925A.
Phoma persicae Sacc. — Cunningham, 1931B.
Phyllosticta prunicola Sacc. — Kirk, 1895.
Puccinia pruni-spinosae Pers. — Cunningham, 1921A.
Rhizopus arrhizus Fisch. — Cunningham, 1925A.
Rosellinia radiciperda Mass. — Cunningham, 1925A.
Sclerotinia fructicola (Wint.) Rehm. — Kirk, 1905.
Sphaerotheca pannosa (Wallr.) Lev. — Cunningham, 1925A.
Stereum purpureum Pers. — Blackmore, 1894.
Taphrina deformans (Berk.) Tul. — Kirk, 1894.
Valsa leucostoma (Pers.) Fr. — Cunningham, 1920.

Agrobacterium tumefaciens (Sm. & Townsd.) Conn. — Boucher, 1900.
Xanthomonas pruni (Erw. Smith) Dowson. — Reid, 1945.

Chlorosis (physiological) — Atkinson, J. D., 1944.
Gummosis (physiological) — Cunningham, 1925A.
Sour-sap (physiological) — Cunningham, 1925A.

Pseudotsuga taxifolia Britt.

Phomopsis strobi Syd. — Birch, 1935.

Pseudowintera axillaris (Forst.) Dandy

Uredo horopito G. H. Cunn. — Cunningham, 1945A.

Pyracantha angustifolia Schneid.

Erwinia amylovora (Burr.) Winslow *et al.* — Reid, 1930.

Pyrus communis L.

Botrytis cinerea Pers. — Cunningham, 1925A.
Coriolus versicolor (Linne ex Fr.) Quel. — Cunningham, 1948B.
Diaporthe perniciosa Marchal. — New Record.
Fabraea maculata Atk. — Kirk, 1894.
Glomerella cingulata (Stonemn.) Spauld & V. Schr. — Cunningham, 1921A.
Nectria cinnabarina (Tode) Fr. — Additional Host Record
Neofabraea perennans (Zeller & Child) Kienholz — Brien, 1932B.
Penicillium expansum Link. — Cunningham, 1925A.
Penicillium italicum Wehm. — Neill, 1937.
Physalospora obtusa (Schw.) Cke. — Cunningham, 1921A.
Podosphaera leucotricha (Ell. & Ev.) Salmon — Additional Host Record
Polyporus portentosus Berk. — Cunningham, 1948A.
Rhizopus nigricans Ehr. — Cunningham, 1925A.
Rosellinia radiciperda Mass. — Cunningham, 1921A.
Sclerotinia fructicola (Wint.) Rehm. — Kirk, 1905.
Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1932A.
Stereum purpureum Pers. — Cunningham, 1921A.
Venturia pirina Aderh. — Kirk, 1906.

Agrobacterium tumefaciens (Sm. & Townsd.) Conn. — Cunningham, 1921A.
Erwinia amylovora (Burr.) Winslow *et al.* — Waters, 1921.

Pear stony-pit virus — (Not classified) — Atkinson, J. D., 1948B.

Sour-sap (physiological) — Cockayne, 1915.
Stag-head (physiological) — Cunningham, 1925A.
Sun-scald (physiological) — Cunningham, 1925A.

Pyrus malus L.

Alternaria tenuis Nees. — Brien, 1934.
Armillaria mellea (Fr.) Quel. — Brien, 1939.
Botrytis cinerea Pers. — Cunningham, 1925A.
Coniothecium chomatosporum Corda. — Kirk, 1907.
Coriolus versicolor (Linne ex Fr.) Quel. — Cunningham, 1948B.
Diaporthe perniciosa Marchal. — New Record.
Diplodia griffoni (Griff. & Maubl.) Sacc & Trav. — Cunningham, 1923B.
Elsinoe pyri (Woronich) Jenkins — New Record.
Fusarium lateritium Nees. — Brien, 1934.
Gloeodes pomigena (Schw.) Colby. — New Record.
Glomerella cingulata (Stonemn.) Spauld & V. Schr. — Kirk, 1906.
Nectria cinnabarina (Tode) Fr. — Cunningham, 1925A.
Nectria galligena Bres. — Cunningham, 1925B.
Neofabraea malicorticis (Cordl.) Jack. — Brien, 1934.
Neofabraea perennans (Zeller & Child) Kienholz — Brien, 1932B.
Penicillium expansum Link. — Cunningham, 1925A.
Phoma pomi Passer. — Cunningham, 1921A.
Phyllosticta pirina Sacc. — Cunningham, 1925A.
Physalospora obtusa (Schw.) Cke. — Kirk, 1907.
Podosphaera leucotricha (Ell. & Ev.) Salmon — Blackmore, 1901.
Polyopeus purpureus var. *verus* Horne. — Brien, 1934.

Rhizopus nigricans Ehr. — Cunningham, 1925A.
Rosellinia radiciperda Mass. — Cunningham, 1921A.
Schizophyllum commune Fr. — Taylor & J. D. Atkinson, 1941.
Sclerotinia fructicola (Wint.) Rehm. — Kirk, 1905.
Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1932A.
Stereum purpureum Pers. — Blackmore, 1894.
Trichothecium roseum Link ex Fr. — Cunningham, 1925A.
Valsa leucostoma (Pers.) Fr. — Cunningham, 1925A.
Venturia inaequalis (Cke.) Wint. emend. Aderh. — Kirk, 1894.

Agrobacterium tumefaciens (Sm. & Townsd.) Conn. — Kirk, 1906.
Erwinia amylovora (Burr.) Winslow *et al.* — Waters, 1922A.

Apple green-crinkle virus (not classified) — Atkinson, J. D., 1946.
Apple-mosaic virus — *Pyrus virus 2* — J. D. Atkinson & Chamberlain, 1948.

Apple-scald (physiological) — Cunningham, 1925A.
Bitter-pit (physiological) — Kirk, 1898.
Crinkle (physiological) — Atkinson, J. D., 1947.
Flesh-collapse (physiological) — Waters, 1922B.
Glassy-core (physiological) — Cunningham, 1921A.
Internal-cork (physiological) — Rigg & Tiller, 1927.
Jonathan-spot (physiological) — Cunningham, 1925A.
Sour-sap (physiological) — Cockayne, 1915.
Sun-scald (physiological) — Cunningham, 1925A.

Quercus robur L.
Nectria cinnabarina (Tode) Fr. — Cunningham, 1925A.
Oidium sp. — New Record.

Ranunculus depressus Kirk.
Aecidium ranunculi-depressus G. H. Cunn. — Cunningham, 1930.

Ranunculus enysii Kirk.
Puccinia foyana G. H. Cunn. — Cunningham, 1924A

Ranunculus geraniifolius Hook. f.
Aecidium ranunculi-insignis G. H. Cunn. — Cunningham, 1930.

Ranunculus insignus Hook. f.
Aecidium ranunculi-insignis G. H. Cunn. — Cunningham, 1930.
Urocystis anemones (Pers.) Wint. — Cunningham, 1924C.

Ranunculus lappaceus Smith.
Puccinia contegens G. H. Cunn. — Cunningham, 1923A.

Ranunculus lappaceus var. **villosus** Kirk.
Puccinia contegens G. H. Cunn. — Cunningham, 1931A.

Ranunculus lyallii Hook. f.
Aecidium ranunculi-lyallii G. H. Cunn. — Cunningham, 1930.

Ranunculus monroi Hook. f.
Aecidium ranunculi-monroi G. H. Cunn. — Cunningham, 1930.

Ranunculus multiscapus Hook. f.
Puccinia contegens G. H. Cunn. .... Cunningham, 1923A.

Ranunculus nivicola Hook.
Aecidium ranunculi-insignis G. H. Cunn. .... Cunningham, 1930.

Ranunculus pachyrhizus Hook. f.
Aecidium ranunculi-insignis G. H. Cunn. .... Cunningham, 1930.

Ranunculus repens L.
Uromyces dactylidis Otth. .... Cunningham, 1931A.

Raphanus sativus L.
Cystopus candidus (Pers. ex Chev.) Lev. Additional Host Record
Sclerotinia sclerotiorum (Lib.) de Bary. .... Brien, 1932A.

Rhagodia triandra (Forst. f.) Aellew.
Uredo rhagodiae Cke. & Mass. .... Cunningham, 1924A.

Rheum rhaponticum L.
Puccinia rhei-undulati (Diet) Hiratsuka Cunningham, 1945A.

Agrobacterium tumefaciens (Sm. & Townsd.) Conn. .... Brien, 1942.

Rhubarb-mosaic virus (Not classified) .... Chamberlain, 1946.

Rhododendron spp.
Chrysomyxa rhododendri (DC.) de Bary. Cunningham, 1926A.
Exobasidium vaccinii (Fuckel) Woron. Brien, 1939.

Ribes grossularia L.
Botryosphaeria ribis Grossenb. & Dugg. .... Cunningham, 1922A.
Botrytis cinerea Pers. .... Brien, 1939.
Cercospora angulata Wint. .... Cunningham, 1922A.
Microsphaera grossulariae (Wallr.) Lev. Cunningham, 1922A.
Mycosphaerella grossulariae (Fr.) Lind. .... Cunningham, 1922A.
Pseudopeziza ribis Kleb. .... Cunningham, 1922A.
Rosellinia radiciperda Mass. .... Cunningham, 1925A.
Stereum purpureum Pers. .... Cunningham, 1922A.
Verticillium dahliae Kleb. .... Cunningham, 1939.

Ribes sativum Syme & **R. nigrum** L.
Botryosphaeria ribis Grossenb. & Dugg. .... Cunningham, 1922A.
Botrytis cinerea Pers. .... Brien, 1939.
Cercospora angulata Wint. .... Cunningham, 1922A.
Mycosphaerella grossulariae (Fr.) Lind. .... Cunningham, 1922A.
Nectria cinnabarina (Tode) Fr. .... Cunningham, 1925A.
Pseudopeziza ribis Kleb. .... Cunningham, 1922A.
Rosellinia radiciperda Mass. .... Cunningham, 1925A.
Stereum purpureum Pers. .... Cunningham, 1922A.

Rosa eglanteria L.
Phragmidium mucronatum (Fr.) Schlecht. .... Cunningham, 1924A.

Rosa sp. cult.

Botrytis cinerea Pers.	Brien, 1939.
Diplocarpon rosae Wolf.	Brien, 1946A.
Phragmidium mucronatum (Fr.) Schlecht.	Cunningham, 1924A.
Sphaerotheca pannosa (Wallr.) Lev.	Kirk, 1905.
Pseudomonas syringae Van Hall.	Additional Host Record.

Rostkovia gracilis Hook f.

Puccinia arnaudensis G. H. Cunn.	Cunningham, 1928.

Rubus australis Forst. f.

Hamaspora australis G. H. Cunn.	Cunningham, 1930.

Rubus australis x cissoides.

Hamaspora australis G. H. Cunn.	Cunningham, 1927B.

Rubus cissoides A. Cunn.

Hamaspora australis G. H. Cunn.	Cunningham, 1930.

Rubus fruticosus L.

Kuehneola albida (Kuehn) Magn.	Cunningham, 1926A.
Leptosphaeria coniothyrium (Fuckel.) Sacc.	Cunningham, 1922A.
Septoria rubi Westd.	Cunningham, 1922A.

Rubus idaeus L.

Armillaria mellea (Fr.) Quel.	Brien, 1939.
Didymella applanata (Niessl.) Sacc.	New Record.
Elsinoe veneta (Burkh.) Jenkins.	Woodhead & Chamberlain, 1940.
Leptosphaeria coniothyrium (Fuckel) Sacc.	Cunningham, 1922A.
Nectria rubi Osterw.	Curtis, 1946.
Phragmidium rubi-idaei (D.C.) Karst.	Cunningham, 1945A.
Septoria rubi Westd.	Cunningham, 1922A.
Stereum purpureum Pers.	Woodhead & Chamberlain, 1940.
Verticillium dahliae Kleb.	Additional Host Record.
Agrobacterium tumefaciens (Sm. & Townsd.) Conn.	Woodhead & Chamberlain, 1940.

Rubus loganobaccus Bailey.

Botrytis cinerea Pers.	Brien, 1939.
Elsinoe veneta (Burkh.) Jenkins.	Cunningham, 1922A.
Kuehneola albida (Kuehn) Magn.	Cunningham, 1931A.
Leptosphaeria coniothyrium (Fuckel) Sacc.	Cunningham, 1922A.
Septoria rubi Westd.	Cunningham, 1922A.
Agrobacterium tumefaciens (Sm. & Townsd.) Conn.	Brien, 1942.

Rubus schmidelioides A. Cunn.

Hamaspora australis G. H. Cunn.	Cunningham, 1930.

Rumex crispus L.

Mycosphaerella rumicis (Desm.) Grove.	New Record.
Sclerotinia sclerotiorum (Lib.) de Bary.	Cunningham, 1927A.

Dock-mosaic virus (Not classified)	Chamberlain & Matthews, 1948.
Rumex flexuosus Sol. ex. Forst. f.	
Puccinia kirkii G. H. Cunn.	Cunningham, 1923A.
Rumex neglectus Kirk.	
Puccinia kirkii G. H. Cunn.	Cunningham, 1923A.
Rumex obtusifolius L.	
Mycosphaerella rumicis (Desm.) Grove.	New Record.
Agrobacterium tumefaciens (Sm. & Townsd.) Conn.	Dye, Hutchinson, & Hastings, 1949.
Dock-mosaic virus (Not classified)	Chamberlain & Matthews, 1948.
Rumex pulcher L.	
Dock-mosaic virus (Not classified)	Chamberlain & Matthews, 1948.
Salicornia australis Sol. ex Forst. f.	
Uredo salicorniae G. H. Cunn.	Cunningham, 1930.
Salix babylonica L.	
Sphaceloma murrayae Jenkins & Grodsinsky.	Jenkins & Grodsinsky, 1943.
Salix fragilis L.	
Sphaceloma murrayae Jenkins & Grodsinsky.	Jenkins & Grodsinsky, 1943.
Stereum purpureum Pers.	Cunningham, 1921A.
Schizeilema trifoliatum (Hook. f.) Domin.	
Uromyces azorellae Cke.	Cunningham, 1924A.
Schoenus carsei Cheesem.	
Sorosporium solidum (Berk.) McAlp.	Cunningham, 1924C.
Schoenus concinnus Hook. f.	
Sorosporium solidum (Berk.) McAlp.	Cunningham, 1945C.
Schoenus pauciflorus Hook. f.	
Cintractia schoenus G. H. Cunn.	Cunningham, 1928.
Puccinia schoenus G. H. Cunn.	Cunningham, 1930.
Scirpus inundatus Poir.	
Uredo scirpi-nodosi McAlp.	Cunningham, 1924A
Scirpus nodosus Rottb.	
Sorosporium neillii G. H. Cunn.	Cunningham, 1924C.
Scirpus prolifer Rottb.	
Uredo scirpi-nodosi McAlp.	Cunningham, 1931A.
Scirpus sulcatus Thouars.	
Uredo scirpi-nodosi McAlp.	Cunningham, 1926B.

Scirpus sulcatus var. **distigmatosa** Clarke.
Uredo scirpi-nodosi McAlp. .... Cunningham, 1931A.

Secale cereale L.
Puccinia elymi West. .... Cunningham, 1922B.

Selliera radicans Cav.
Uromyces scaevolae G. H. Cunn. .... Cunningham, 1923A.
Uromyces sellieriae G. H. Cunn. .... Cunningham, 1930.

Senecio adamsii Cheesem.
Uredo cheesemanii G. H. Cunn. .... Cunningham, 1928.

Senecio aquaticus Hill.
Puccinia erechtitis McAlp. .... Cunningham, 1931A.

Senecio bellidioides Hook. f.
Puccinia pounamu G. H. Cunn. .... Cunningham, 1928.

Senecio bidwillii Hook. f.
Puccinia hectorensis G. H. Cunn. .... Cunningham, 1923A.

Senecio cruentus DC.
Puccinia distincta McAlp. .... Cunningham, 1931A.

Senecio elæagnifolius Hook. f.
Puccinia hectorensis G. H. Cunn. .... Cunningham, 1928.

Senecio lagopus Raoul.
Puccinia distincta McAlp. .... Cunningham, 1931A.

Senecio lautus Forst. f.
Puccinia erechtitis McAlp. .... Cunningham, 1931A.

Senecio southlandicus Ckn.
Puccinia pounamu G. H. Cunn. .... Cunningham, 1923A.

Senecio viridis Kirk.
Puccinia hectorensis G. H. Cunn. .... Cunningham, 1928.

Senecio vulgaris L.
Puccinia erechtitis McAlp. .... Cunningham, 1931A.

Silybum marianum (L.) Gaertn.
Sclerotinia sclerotiorum (Lib.) de Bary. .... Brien, 1932A.

Sinapis alba L.
Turnip-mosaic virus — *Brassica virus 1* .... Chamberlain, 1939D.

Sisymbrium officinale (L.) Scop.
Plasmodiophora brassicae Woron .... Gibbs, 1932.
Septoria sisymbrii Ell. .... Sydow, 1924.

Solanum melongena L.
Sclerotinia sclerotiorum (Lib.) de Bary. .... Additional Host Record.
Verticillium dahliae Kleb. .... Additional Host Record

Solanum nigrum L.

Cercospora solani Sacc. & Berl. — New Record.
Verticillium dahliae Kleb. — Additional Host Record.

Tomato spotted-wilt virus — *Lycopersicum virus 3* — Brien, 1939.
Tobacco-mosaic virus — *Nicotiana virus 1* — Chamberlain, 1937.

Solanum tuberosum L.

Alternaria solani (Ell. & Mart.) Sorauer. — Kirk, 1895.
Colletotrichum atramentarium (Berk. & Br.) Taubenh. — Chamberlain, 1935B.
Fusarium merismoides Corda. — Brien, 1939.
Fusarium orthoceras App. & Wollenw. — Chamberlain, 1935B.
Fusarium oxysporum Schlecht. — Kirk, 1905.
Fusarium sambucinum Fuckel. — Brien, 1939.
Fusarium solani (Mart.) App. & Wollenw. — Brien, 1939.
Fusarium solani (Mart.) App. & Wollenw. var. *minus* Wollenw. — Brien, 1939.
Fusarium vasinfectum Atk. var. *lutulatum* (Scherb.) Wollenw. — Brien, 1939.
Gospora pustulans Owen & Wakef. — Chamberlain, 1935B.
Pellicularia filamentosa (Pat.) Rogers — Cunningham, 1922B.
Phytophthora infestans (Mont.) de Bary. — Kirk, 1905.
Pythium ultimum Trow. — Brien, 1941A.
Sclerotinia sclerotiorum (Lib.) de Bary. — Kirk, 1906.
Spondylocladium atrovirens Harz. — Cunningham, 1922B.
Spongospora subterranea (Wallr.) Lagerh. — Cunningham, 1922B.
Verticillium albo-atrum Reinke & Berth. — Cunningham, 1931B.
Verticillium dahliae Kleb. — Additional Host Record.

Erwinia carotovora (Jones) Holland. — Hadfield, Chamberlain & Drake, 1930.
Pseudomonas solanacearum Erw. Smith. — Kirk, 1905.

Potato aucuba-mosaic virus — *Solanum virus 9* — Cunningham, 1929.
Potato leaf-roll virus — *Solanum virus 14* — Cunningham, 1929.
Potato virus X — *Solanum virus 1* — Cunningham, 1929.
Potato virus Y — *Solanum virus 2* — Cunningham, 1929.

Black-heart (physiological) — Brien, 1939.
Hollow-heart (physiological) — Hadfield, Chamberlain & Drake, 1930.
Internal brown-fleck (physiological) — Hadfield, Chamberlain & Drake, 1930.

Sonchus oleraceus L.

Puccinia sonchi Rob. — Cunningham, 1924A
Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1932A.

Spergula arvensis L.

Peronospora obovata Bonord. — Cunningham, 1944.

Spinacia oleracea L.

Peronospora effusa (Grev. ex Desm.) Rabenh. — Brien, 1939.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Spinifex hirsutus Lab.

Cintractia spinificis (Ludw.) McAlp. — Cunningham, 1924C.

Sporobolus capensis Kunth.
Helminthosporium ravenelli Curt. & Berk. — Kirk, 1894.

Stilbocarpa polaris A. Gray.
Ascochyta stilbocarpae Syd. — Sydow, 1924.

Syringa vulgaris L.
Stereum purpureum Pers. — Cunningham, 1925A.

Tacsonia mollissima H.B.K.
Pseudomonas passiflorae W. D. Reid — Additional Host Record.

Tetragonia expansa Murr.
Puccinia tetragoniae McAlp. — Cunningham, 1931A.

Tetragonia trigyna Banks & Sol. ex Hook. f.
Puccinia tetragoniae McAlp. — Cunningham, 1923A.

Thelymitra longifolia Forst.
Uromyces thelymitrae McAlp. — Cunningham, 1923A.

Thuja plicata Don.
Botrytis cinerea Pers. — Birch, 1937.
Coryneum cardinale Wagener. — Birch, 1937.
Didymascella thujina (Durand) Maire. — Birch, 1937.

Tragopogon porrifolius L.
Cystopus cubicus (Strauss ex Unger) Lev. — New Record.

Traversia baccharoides Hook. f.
Aecidium traversiae G. H. Cunn. — Cunningham, 1928.

Trifolium fragiferum L.
Uromyces nerviphila (Grogn.) Hotsn. — Cunningham, 1931A.

Trifolium hybridum L.
Uromyces trifolii (Hedw. f.) Lev. — Cunningham, 1922B.
Uromyces trifolii-repentis Liro. — Cunningham, 1922B.

Trifolium incarnatum L.
Cymadothea trifolii (Pers.) Wolf. — Sydow, 1924.
Uromyces trifolii (Hedw. f.) Lev. — Cunningham, 1922B.

Trifolium pratense L.
Peronospora trifoliorum de Bary. — Cunningham, 1922B.
Pseudopeziza trifolii (Fr.) Fuckel. — Cunningham, 1922B.
Sclerotinia trifoliorum Erikss. — Cunningham, 1922B.
Uromyces trifolii (Hedw. f.) Lev. — Cunningham, 1922B.

Pea-mosaic virus — *Pisum virus 2* — Chamberlain, 1935A.

Trifolium repens L.
Peronospora trifoliorum de Bary. — Cunningham, 1922B.
Pseudopeziza trifolii (Fr.) Fuckel. — Cunningham, 1922B.
Sclerotinia spermophila Noble. — Noble, 1946.
Sclerotinia trifoliorum Erikss. — Cunningham, 1922B.
Uromyces nerviphila (Grogn.) Hotsn. — Cunningham, 1931A.
Uromyces trifolii-repentis Liro. — Cunningham, 1931A.

Trifolium subterraneum L.

Sclerotinia trifoliorum Erikss. — Cunningham, 1922B.
Uromyces trifolii (Hedw. f.) Lev. — Cunningham, 1922B.

Pea-mosaic virus — *Pisum virus 2* — Chamberlain, 1936B.

Triticum æstivum L.

Cercosporella herpotrichoides Fron. — Saxby, 1943.
Claviceps purpurea (Fr.) Tul. — Neill, 1941.
Erysiphe graminis DC. — Cunningham, 1922B.
Fusarium avenaceum (Fr.) Sacc. — Blair & Morrison, 1949.
Fusarium culmorum (W. G. Sm.) Sacc. — Blair, 1936.
Fusarium equiseti (Cke.) Sacc. — Blair & Morrison, 1949.
Fusarium sambucinum Fuckel — Blair & Morrison, 1949.
Fusarium sporotrichioides Sherb. — Blair & Morrison, 1949.
Gibberella zeae (Schw.) Petch. — Cunningham, 1922B.
Ophiobolus graminis Sacc. — Cockayne, 1913.
Pellicularia filamentosa (Pat.) Rogers. — Blair & Morrison, 1949.
Puccinia elymi Westnd. — Cunningham, 1924A.
Puccinia graminis Pers. — Kirk, 1894.
Septoria graminum Desm. — Cunningham, 1927D.
Tilletia caries (DC.) Tul. — Cunningham, 1922B.
Tilletia foetens (Berk. & Curt.) Trel. — Cunningham, 1922B.
Ustilago tritici (Pers.) Rostr. — Kirk, 1906.

Tropæolum majus L.

Tomato spotted-wilt virus — *Lycopersicum virus 3* — Chamberlain & Taylor, 1938.

Tulipa sp. cult.

Botrytis tulipae Lind. — Brien, 1939.
Sclerotinia sclerotiorum (Lib.) de Bary. — Cunningham, 1927A.

Tulip-breaking virus — *Tulipa virus 1* — Brien, 1939.

Ulmus sp.

Nectria cinnabarina (Tode) Fr. — Cunningham, 1925A.
Septogloeum ulmi Died. — New Record.

Uncinia cæspitosa Boott.

Cintractia sclerotiformis (Cke. & Mass.) G. H. Cunn. — Cunningham, 1924C.

Uncinia compacta R. Br.

Puccinia unciniarum Diet & Neg. — Cunningham, 1923A.

Uncinia leptostachya Raoul.

Cintractia sclerotiformis (Cke. & Mass.) G. H. Cunn. — Cunningham, 1924C.

Uncinia riparia R. Br.

Cintractia sclerotiformis (Cke. & Mass.) G. H. Cunn. — Cunningham, 1924C.

Uncinia rubra Boott.

Cintractia sclerotiformis (Cke. & Mass.) G. H. Cunn. — Cunningham, 1945C.

Uncinia uncinata (L. f.) Kukenth.
Puccinia unciniarum Diet & Neg. .... Cunningham, 1931A.

Urtica aspera Petrie.
Puccinia caricis (Pers.) Reb. .... Cunningham, 1923A.

Urtica linearifolia Ckn.
Puccinia caricis (Pers.) Reb. .... Cunningham, 1923A.

Verbena hybrida Voss.
Oidium sp. .... New Record.

Veronica plebeia R. Br.
Aecidium disciforme McAlp. .... Cunningham, 1945A.

Vicia faba L.
Ascochyta fabae Speg. .... Brien, 1939.
Botrytis cinerea Pers. .... Brien, 1939.
Sclerotinia sclerotiorum (Lib.) de Bary. .... Cunningham, 1927A.
Uromyces fabae (Pers.) de Bary. .... Kirk, 1905.

Pea-mosaic virus — *Pisum virus 2* .... Chamberlain, 1935A.

Viola cunninghamii Hook. f.
Puccinia hederaceae McAlp. .... Cunningham, 1923A.

Viola lyallii Hook. f.
Septoria cunninghamii Syd. .... Sydow, 1924.

Viola odorata L.
Botrytis cinerea Pers. .... Brien, 1939.
Phyllosticta violae Desm. .... Brien, 1939.

Viola tricolor L. var. **hortensis** DC.
Oidium sp. .... New Record.

Cucumber-mosaic virus — *Cucumis virus 1* .... Chamberlain, 1946.

Vitis vinifera L.
Elsinoe ampelina Shear. .... Cunningham, 1922A.
Glomerella cingulata (Stonemn.) Spauld & V. Schr. .... Cunningham, 1922A
Plasmopara viticola (Berk. & Curt ex de Bary) Berl. & de Toni .... Woodfin, 1926.
Sclerotinia fuckeliana de Bary. .... Cunningham, 1922A.
Uncinula necator (Schw.) Burr. .... Cunningham, 1922A.

Chlorosis (physiological) .... Askew, 1944.

Vittadinia australis A. Rich
Puccinia vittadiniae McAlp. .... Cunningham, 1945A.

Vulpia dertonensis (All.) Volk.
Tilletia fusca Ell. & Everh. .... Cunningham, 1945C.

Wahlenbergia albomarginata Hook.
Puccinia wahlenbergiae G. H. Cunn. .... Cunningham, 1924A

Weinmannia racemosa L. f.

Fomes applanatus (Pers.) Gill. — Cunningham, 1948E.
Fomes mastoporus (Lev.) Cke. — Cunningham, 1948E.
Fomes setulosus Lloyd. — Cunningham, 1948E.
Fomes zealandicus Cke. — Cunningham, 1948E.
Fomitopsis hemitephra (Berk.) G. H. Cunn. — Cunningham, 1948C.
Fomitopsis tasmanica (Berk.) G. H. Cunn. — Cunningham, 1948C.

Weinmannia sylvicola Sol. ex A. Cunn.

Erysiphe carpophila Syd. — Sydow, 1924.

Zantedeschia sp. cult.

Tomato spotted-wilt virus — *Lycopersicum virus 3* — Chamberlain, 1946.

Zea mays L.

Fusarium moniliforme Sheld. var. *subglutinans* Reink & Wollenw. — Neill & Brien, 1935.
Puccinia sorghi Schw. — Cunningham, 1931A.
Sorosporium reilianum (Kuehn.) McAlp. — Cunningham, 1945C.

Zinnia elegans Jacq.

Botrytis cinerea Pers. — Brien, 1939.
Sclerotinia sclerotiorum (Lib.) de Bary. — Brien, 1932A.

Tomato spotted-wilt virus — *Lycopersicum virus 3* — Chamberlain & Taylor, 1938.

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A List of Common Names of Host Plants with their Botanical Equivalents

Acmena	*Eugenia smithii*
Almond	*Prunus communis*
Anemone	*Anemone coronaria*
Antirrhinum	*Antirrhinum majus*
Apple	*Pyrus malus*
Apricot	*Prunus armeniaca*
Artichoke	*Helianthus tuberosus*
Aspen	*Populus tremula*
Aster, China	*Callistephus chinensis*
Avocado	*Persea americana*
Banana	*Musa sapientum*
Barley	*Hordeum vulgare*
Barley grass	*Hordeum murinum*
Bean, broad	*Vicia faba*
Bean, butter	*Phaseolus vulgaris*
Bean, French	*Phaseolus vulgaris*
Bean, runner	*Phaseolus coccineus*
Beet, red	*Beta vulgaris* var.
Beet-root	*Beta vulgaris* var.
Beet, silver	*Beta vulgaris* var.
Beet, sugar	*Beta vulgaris* var.
Belladonna	*Atropa belladonna*
Birch, silver	*Betula alba*
Blackberry	*Rubus fruticosus*
Black nightshade	*Solanum nigrum*
Broccoli	*Brassica oleracea* var. *botrytis*
Brome grass, soft	*Bromus mollis*
Brome grass, sterile	*Bromus sterilis*
Broom	*Cytisus scoparius*
Browntop	*Agrostis tenuis*
Brussel sprouts	*Brassica oleracea* var. *gemmifera*
Cabbage	*Brassica oleracea* var. *capitata*
Calendula	*Calendula officinalis*
Calla	*Zantedeschia* spp.
Carnation	*Dianthus caryophyllus*
Carrot	*Daucus carota*
Catsear, smooth	*Hypochoeris glabra*
Cauliflower	*Brassica oleracea* var. *botrytis*
Celery	*Apium graveolens*
Cherry	*Prunus avium*
Chestnut, eating	*Castanea vulgaris*
Chestnut, horse	*Aesculus hippocastanum*
Chickweed, mouse-ear	*Cerastium glomeratum*
Chicory	*Cichorium intybus*
Chou-moellier	*Brassica oleracea* var. *ramosa*

Chrysanthemum	*Chrysanthemum morifolium*
Cineraria	*Senecio cruentus*
Citronelle	*Citrus* sp.
Clover, alsike	*Trifolium hybridum*
Clover, crimson	*Trifolium incarnatum*
Clover, red	*Trifolium pratense*
Clover, strawberry	*Trifolium fragiferum*
Clover, subterranean	*Trifolium subterraneum*
Clover, white	*Trifolium repens*
Cocksfoot	*Dactylis glomerata*
Columbine	*Aquilegia vulgaris*
Cornflower	*Centaurea cyanus*
Couch grass	*Agropyron repens*
Cress, bitter	*Cardamine hirsuta*
Cress, garden	*Lepidium sativum*
Cress, hog	*Coronopus didymus*
Cucumber	*Cucumis sativus*
Currant, black	*Ribes nigrum*
Currant, red	*Ribes sativum*
Cyclamen	*Cyclamen indicum*
Daffodil	*Narcissus* sp. cult.
Dahlia	*Dahlia* sp. cult.
Daisy	*Bellis perennis*
Darnel	*Lolium temulentum*
Delphinium	*Delphinium cultorum*
Dock, broad-leaf	*Rumex obtusifolius*
Dock, curled	*Rumex crispus*
Dock, fiddle	*Rumex pulcher*
Elm	*Ulmus* sp.
Egg plant	*Solanum melongena*
Fathen	*Chenopodium album*
Feijoa	*Feijoa sellowiana*
Fennel	*Foeniculum vulgare*
Fern, maidenhair	*Adiantum cuneatum*
Fescue, Chewings	*Festuca rubra* var. *commutata*
Fescue, meadow	*Festuca elatior*
Fescue, tall	*Festuca arundinacea*
Fig	*Ficus carica*
Firethorn	*Pyracantha angustifolia*
Flax, linen	*Linum usitatissimum*
Flax, N.Z.	*Phormium tenax*
Geranium, common bedding	*Pelargonium hortorum*
Gladiolus	*Gladiolus* sp. cult.
Gooseberry	*Ribes grossularia*
Gooseberry, Cape	*Physalis peruviana*
Gooseberry, Chinese	*Actinidia chinensis*
Grapefruit	*Citrus maxima*
Grapefruit, N.Z.	*Citrus* sp.
Grape	*Vitis vinifera*
Groundsel	*Senecio vulgaris*

Hawthorn	*Crataegus oxyacantha*
Henbane	*Hyoscyamus niger*
Hollyhock	*Althaea rosea*
Hop	*Humulus lupulus*
Hydrangea	*Hydrangea opuloides*
Iris, flag	*Iris germanica*
Iris, Dutch (bulbous)	*Iris xiphium*
Kale	*Brassica oleracea* var. *acephala*
Kumara	*Ipomoea batatas*
Larkspur	*Delphinium ajacis*
Leek	*Allium porrum*
Lemon	*Citrus limonia*
Lettuce	*Lactuca sativa*
Lilac	*Syringa vulgaris*
Lily	*Lilium* spp.
Lime	*Citrus aurantifolia*
Linseed	*Linum usitatissimum*
Loganberry	*Rubus loganobaccus*
Loquat	*Eriobotrya japonica*
Lucerne	*Medicago sativa*
Lucerne, tree	*Cytisus proliferus*
Lupin, blue	*Lupinus angustifolius*
Lupin, yellow	*Lupinus luteus*
Lupin, white	*Lupinus albus*
Maize	*Zea mays*
Mallow, common	*Malva silvestris*
Mallow, dwarf	*Malva rotundifolia*
Mallow, tree	*Lavatera arborea*
Mandarin	*Citrus nobilis*
Mangel	*Beta vulgaris* var.
Maple, Japanese	*Acer palmatum*
Maple	*Acer* sp.
Marram grass	*Ammophila arenaria*
Marigold	*Calendula officinalis*
Marrow	*Cucurbita pepo*
Meadow grass	*Poa pratensis*
Meadow grass, annual	*Poa annua*
Medlar	*Mespilus germanica*
Melon, rock	*Cucumis melo* var. *cantalupensis*
Melon, water	*Citrullus vulgaris*
Melon, citron	*Citrullus vulgaris*
Milk weed	*Euphorbia peplus*
Millet	*Panicum miliaceum*
Mulberry	*Morus alba*
Mustard, white	*Sinapis alba*
Mustard, hedge	*Sisymbrium officinale*
Nasturtium	*Tropaeolum majus*
Nectarine	*Prunus persica*
Nipplewort	*Lapsana communis*

Oak	*Quercus robur*
Oat	*Avena sativa*
Oat, wild	*Avena fatua*
Oat-grass, false	*Arrhenatherum elatius*
Onion	*Allium cepa*
Orange, poorman	*Citrus* sp. (N.Z. Grapefruit)
Orange, sweet	*Citrus sinensis*
Pansy	*Viola tricolor*
Parsnip	*Pastinaca sativa*
Paspalum	*Paspalum dilatatum*
Passion fruit	*Passiflora edulis*
Passion fruit, banana	*Tacsonia mollissima*
Paw paw	*Carica papaya*
Pea, field	*Pisum sativum* var. *arvense*
Pea, garden	*Pisum sativum*
Peanut	*Arachis hypogaea*
Pea, sweet	*Lathyrus odoratus*
Peach	*Prunus persica*
Pear	*Pyrus communis*
Pepper, red	*Capsicum frutescens*
Petunia	*Petunia hybrida*
Phlox, annual	*Phlox drummondii*
Plane	*Platanus orientalis*
Plums	*Prunus* spp.
Polyanthus	*Primula polyantha*
Poplar	*Populus* spp.
Poppy, Iceland	*Papaver nudicaule*
Potato	*Solanum tuberosum*
Prairie grass	*Bromus catharticus*
Privet	*Ligustrum vulgare*
Pumpkin	*Cucurbita pepo*
Purslane	*Portulaca oleracea*
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